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本手册是乐清市佳源气动元件有限公司的产品概述。
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JIAYUAN
佳源气动元件有限公司
JIAYUAN PNEUMATIC COMPONENTS CO., LTD.
地址：浙江省乐清市北白象镇江南数控工业园区
手机：13676738883
E-mail:zoejune@jypneumatic.com

代理商：

JIAYUAN
佳源气动

JIAYUAN Pneumatic



产品选型手册
Product Selection Guide

佳源气动元件有限公司



>>企业简介

Corporate Profile

乐清佳源气动元件有限公司是一家集研发、生产、销售、服务于一体的气动元件专业企业。公司自创建以来，经过技术创新和经验积累，拥有一批先进的技术和管理人才，并引进国内外先进气动元件的生产技术和主要零部件，严格执行ISO9001国际质量管理体系，技术设备先进，检测手段完善，享誉国内外市场，成为众多专业制造厂商指定采购的配套产品，广泛应用于机械、冶金、铁路、食品、包装、纺织、电子等行业。

佳源由始至终以“以质量求生存，以诚信求信赖，以创新求发展”的经营理念。坚持以市场为导向，大力推进品牌建设，实施国际化经营战略，与时俱进，永续经营，不断提升企业核心竞争能力，迎接新的机遇和挑战，开创一片更为广阔的天地。

竭诚欢迎国内外客商前来洽谈业务，愿与您精诚合作，共创辉煌明天。

JIAYUAN PNEUMATIC COMPONENTS CO., LTD. is a research and development, production, sales and service in one of the pneumatic components of professional enterprises. Since its inception, through technical innovation and experience, with a number of advanced technology and management personnel, and the introduction of production technology and main components of the advanced pneumatic components, strict implementation of ISO9001 international quality management system, advanced technology and equipment, testing means perfect, renowned domestic and foreign markets, as many professional manufacturers designated procurement of ancillary products, widely used in machinery, metallurgy, railway, food, packaging, textiles, electronics and other industries.

Good source of all along with "quality of survival, in good faith and trust, innovation and development" business philosophy. Adhere to market-oriented, and vigorously promote the brand-building, the implementation of international business strategy, advancing with the times, sustainable development, and improve their core competitiveness, to meet new opportunities and challenges, and create a wider world.

We sincerely welcome domestic and foreign businessmen came to discuss business, we are willing to cooperate with you, create brilliant tomorrow.

JIAYUAN 佳源气动

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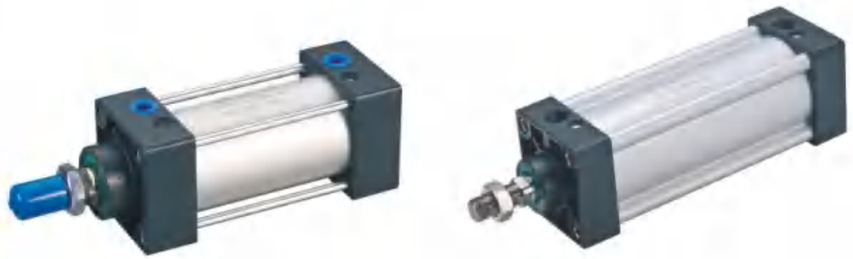
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特点/Features

普通经济型，结构简单，安装形式多，使用范围广；外形及安装尺寸符合ISO / 6430国际标准；两端带有可调缓冲装置，避免冲击；并可装置行程控制开关，使气缸在任意位置换向或终止；工作介质为经过滤并油雾的压缩空气，气缸无需加油润滑。

General economized type, Simple structure, various installation forms and wide application;extemal form and installation size conform to ISO/6430 international standard, adjustable buffer fitted at both ends to reduce impact;Stroke control switch can also be fixed to enable the cylinder to reverse or stop at any position;The working medium is the filtered and oil-misted compressed air,The air cylinder without the need to add lube.

产品说明/Product Explain

- ◆ 工作使用中负载不稳，请选用输出力充裕的气缸，特殊工作环境中（如高温环境，结冻环境），选用相对应或特殊制造气缸。
- ◆ 气缸接进出管前，必须清除管内杂物(如金属削末)。
- ◆ 使用介质请选用，经过滤40μm以上精度的压缩空气。
- ◆ 气缸拆下长时间不使用，请加防尘堵塞，防止杂物进入
- ◆ For unstable load in the operation please select a cylinder with sufficienf output force. For special work environment(such as high temperature environment and freezing environment).please select a related or special cylinder
- ◆ Before connecting the inlet and outlet pipes of the cylinder any foreign matters(such as metal bits)inside the pipe should be removed
- ◆ Please use compressed ai r filte red with minimum precision of 40 u m as themedium
- ◆ When the cylinder is-moved and left unused for long time.please add dusf proof stopper to Prevent the entry of foreign matters.

订购码/Ordering code

SC — D — 50 × 50 — 25 — S — LB — □ — □

- 缸径 Bore size
- 行程 Stroke
- 调整行程 Adjustable Stroke
  - 10：10mm
  - 20：20mm
  - 30：30mm
  - 40：40mm
  - 50：50mm
  - 75：75mm
  - 100：100mm
- 密封件材质 Seals Material
  - 空白Blank：TPU
  - N：NBR
  - H：氟橡胶Viton
- 牙型代码 Thread type
  - 空白Blank：PT牙Thread
  - T：NPT牙Thread
  - G：G牙Thread
- 型号 Model
  - SC：拉杆式 Tie rod type
  - SU：无拉杆式 No tie-rod
- 系列代码 Series Code
  - 空白：标准复动型 Blank:Standard double acting
  - D：双轴复动型 D:Double-shaft double acting
  - J：双轴可调行程型 J:Double-shaft with adjustable stroke
- 磁石代号 Magnet
  - 空白Blank：不附磁石 Without magnet
  - S：附磁石 With magnet
- 固定型式① Mounting type

空白	
LB	
FA	
FB	
CA	
CB	
TC	
空白	
LB	
FA	
TC	

标准规格/Specification

内径(mm) Bore size	32	40	50	63	80	100	125	160	200	250	320
动作方式 Action type	复动型 Double acting										
工作介质 Working medium	空气(经40μm 滤网过滤)Air (to be filtered by 40μm filter element)										
固定型式 Mounting type	基本型(Basic type) FA FB CA CB LB YB										
使用压力范围 Operating pressure	1~9.0MPa										
保证耐压力 Proof pressure	13.5MPa										
使用温度范围 ℃ Operating Temperature Rang	-5~70										
使用速度范围 Speed range(mm/s)	50~800										
缓冲型式 Cushion type	可调缓冲Variable cushion										
缓冲行程 Adjustable cushion stroke(mm)	20								26		
*接管口径 Port size	G1/8"		G1/4"			G3/8"			G1/2"		

*SCD、SCJ的固定型式为:FA、FB、LB、TC和TC-型。SCD, SCJ mountings: FA, FB, LB, TC and TC-M type.
**250及以上缸径无SU型可选。No SU type is available for 250 and above cylinder diameters.

行程/Stroke

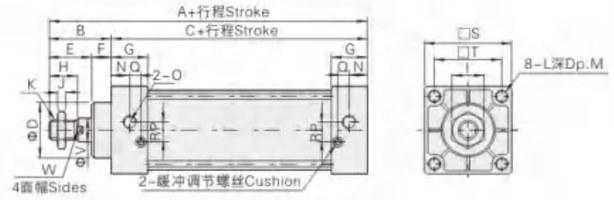
内径 Bore size (mm)	标准行程 Standard stroke	最大行程 Max. stdstroke	容许行程 Max.stroke
32	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500	1000	2000
40	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800	1200	2000
50	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1200	2000
63	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
80	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
100	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
125	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
160	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
200	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
250	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
320	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000

气缸理论出力表/Cylinder theory output Sheet

气缸内径 Cylinder Inside Diameter		32		40		50		63		80		100		125		160		200	
活塞杆外径 External Diameter of Piston Rod		12		16		20		20		25		25		32		40		40	
动作型式 Motion Pattern		复动型 Double Action		复动型 Double Action		复动型 Double Action		复动型 Double Action		复动型 Double Action		复动型 Double Action		复动型 Double Action		复动型 Double Action		复动型 Double Action	
		压侧 Press Side	拉侧 Pull Side	压侧 Press Side	拉侧 Pull Side	压侧 Press Side	拉侧 Pull Side	压侧 Press Side	拉侧 Pull Side	压侧 Press Side	拉侧 Pull Side	压侧 Press Side	拉侧 Pull Side	压侧 Press Side	拉侧 Pull Side	压侧 Press Side	拉侧 Pull Side	压侧 Press Side	拉侧 Pull Side
受压面积(cm^2) Compression area		8.04	6.90	12.56	10.55	19.63	16.49	31.17	28.03	50.26	45.36	78.53	73.62	122.70	114.60	201.00	188.40	314.20	301.40
空气压力 (kgf/cm^2) Air Pressure	1	8.04	6.90	12.56	10.55	19.63	16.49	31.17	28.03	50.26	45.36	78.53	73.62	122.70	114.60	201.00	188.40	314.20	301.40
	2	16.08	13.80	25.12	21.10	39.26	32.98	62.34	56.06	100.52	90.72	157.06	147.24	245.40	229.20	402.00	376.80	628.40	602.80
	3	24.12	20.70	37.68	31.65	58.89	49.47	93.51	84.09	150.78	136.08	235.59	220.86	368.10	343.80	603.00	565.20	942.60	904.20
	4	32.16	27.60	50.24	42.20	78.82	65.96	124.68	112.12	201.04	181.44	314.12	294.48	490.80	458.40	804.00	753.60	1256.80	1205.60
	5	40.20	34.50	62.80	52.75	98.15	82.45	155.85	140.15	251.30	226.80	392.65	368.10	613.50	573.00	1005.00	942.00	1571.00	1507.00
	6	48.24	41.40	75.36	63.30	117.78	98.94	187.02	168.18	301.56	272.16	471.18	441.72	736.20	687.60	1206.00	1130.40	1885.20	1808.40
	7	56.28	48.30	87.92	73.85	137.41	115.43	218.19	196.21	351.82	317.52	549.71	515.34	858.90	802.20	1407.00	1318.80	2199.40	2109.80
	8	64.32	55.20	100.48	84.40	157.04	131.92	249.36	224.24	402.08	362.88	628.24	588.96	981.60	916.80	1608.00	1507.20	2513.60	2411.20
	9	72.36	62.10	113.04	94.95	176.67	148.41	280.53	252.27	452.34	408.24	706.77	662.58	1104.30	1031.40	1809.00	1695.60	2827.80	2712.60

外形尺寸图(毫米)/Dimensions (mm)

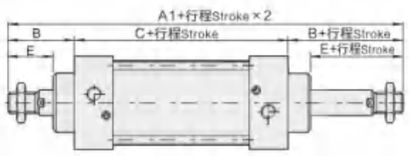
SC



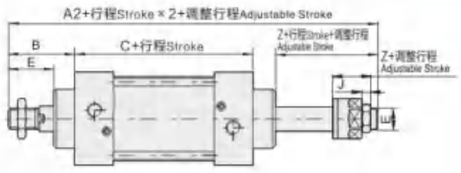
缸径/符号 Bore size / symbol	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	V	W
32	140	47	93	28	32	15	27.5	22	17	6	M10×1.25	M6×1	9.5	13.7	G1/8"	3.5	7.5	7	45	33	12	10
40	142	49	93	32	34	15	27.5	24	17	7	M12×1.25	M6×1	9.5	13.5	G1/4"	6	8.2	9	50	37	16	14
50	150	57	93	38	42	15	27.5	32	23	8	M16×1.5	M6×1	9.5	13.5	G1/4"	8.5	8.2	9	62	47	20	17
63	153	57	96	38	42	15	27.5	32	23	8	M16×1.5	M8×1.25	9.5	13.5	G3/8"	7	8.2	8.5	75	56	20	17
80	182	75	108	47	54	21	33	40	26	10	M20×1.5	M10×1.5	11.5	16.5	G3/8"	10	9.5	14	94	70	25	22
100	188	75	114	47	54	21	33	40	26	10	M20×1.5	M10×1.5	11.5	16.5	G1/2"	11	9.5	14	112	84	25	22
125	246	101	145	57	69	32	40	54	39	11	M27×2	M12×1.75	15	20	G1/2"	-	-	-	140	110	32	29
160	315	135	180	65	97	38	50	72	52	14	M36×2	M16×2	15	25	G3/4"	-	-	-	180	140	40	36
200	334	149	185	80	99	50	50	72	52	14	M36×2	M16×2	30	25	G3/4"	-	-	-	220	175	50	46
250	384	189	195	90	119	70	50	84	65	21	M42×2	M20×2.5	30	25	G3/4"	-	-	-	280	220	50	46
320	440	206	234	110	126	80	55	96	75	24	M48×2	M24×3	40	27.5	G1"	-	-	-	350	280	70	68
400	440	190	250	128	110	80	60	100	85	28	M56×4	M30×3.5	40	30	G1"	-	-	-	430	350	80	76

注：附磁型与不附磁型之尺寸相同。
Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.

SCD



SCJ

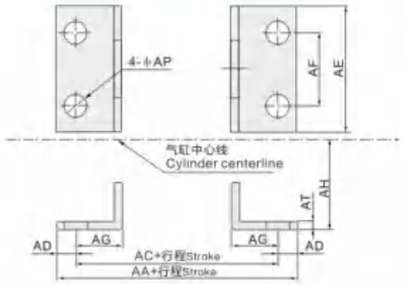


缸径/符号	A1	A2	B	C	E	Z	J	K
32	187	182	47	93	32	27	6	M10×1.25
40	191	185	49	93	34	28	7	M12×1.25
50	207	194	57	93	42	29	8	M16×1.5
63	210	197	57	96	42	29	8	M16×1.5
80	257	238.5	75	107	54	35.5	10	M20×1.5
100	263	244.5	75	113	54	35.5	10	M20×1.5

注：1、附磁型与不附磁型之尺寸相同。
2、未标注之尺寸与SC标准型相同。
Remark: 1.The dimensions of magnet type cylinder are the same as non-magnet type cylinder.
2.The unmarked dimension is the same as SC standard type.

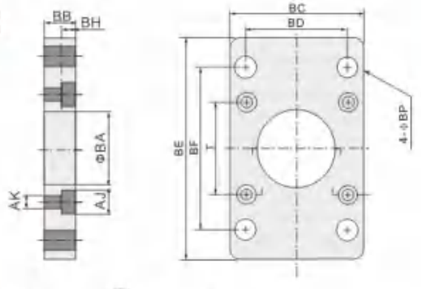
SC/SU系列标准气缸附件/SC/SU Series Standard Cylinder Accessories

LB脚架
LB foot stand



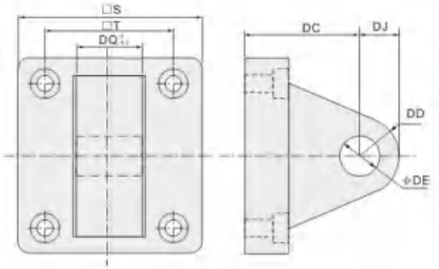
符号/缸径 Symbol / Bore size	32	40	50	63	80	100	125	160	200
AA	153	169	173	184	199	209	290	340	380
AC	134	140	149	158	167	173	250	300	320
AD	9.5	14.5	12	13	16	18	20	20	30
AE	50	57	68	80	97	112	140	180	220
AF	33	36	47	56	70	84	90	115	175
AG	20.5	23.5	28	31	30	30	45	60	70
AH	28	30	36.5	41	49	57	90	115	135
AP	9	12	12	12	14	14	16	18	22
AT	3.2	3.2	3.2	3.2	4	4	8	8	10

FA/FB法兰
FA/FB flange



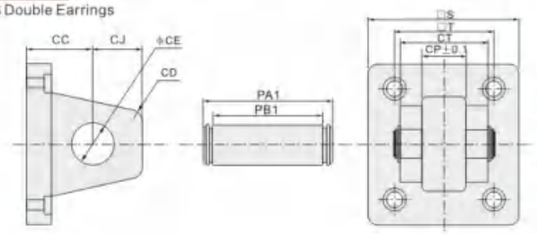
符号/缸径 Symbol / Bore size	32	40	50	63	80	100	125	160	200
BA	28.3	32.3	38.3	38.3	47.3	47.3	56	63	81
BB	10	10	10	12	16	16	20	25	25
BC	47	52	65	76	95	115	140	180	220
BD	33	36	47	56	70	84	90	115	135
BE	72	84	104	116	143	162	224	280	320
BF	58	70	86	98	119	138	180	230	270
BH	6.5	6.5	6.5	8.5	10.5	10.5	15	20	20
AJ	10.5	10.5	13.5	13.5	16.6	16.6	19	25	25
AK	6.5	6.5	8.5	8.5	10.5	10.5	12.5	16.5	16.5
BP	7	7	9	9	12	12	16	18	22
T	33	37	47	56	70	84	110	140	175

CA单耳环
CA single earring



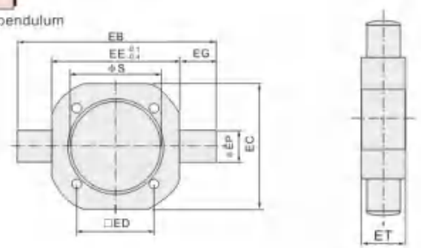
符号/缸径 Symbol / Bore size	32	40	50	63	80	100	125	160	200
S	48	50	62	75	94	112	140	180	220
T	33	37	47	56	70	84	110	140	175
DC	34	34	34	34	48	48	50	55	60
DD	14	14	15	15	20	20	25	30	30
DE	12	14	14	14	20	20	25	30	30
DJ	14	14	15	15	20	20	33	35.5	37
DQ	16	20	20	20	32	32	69.7	89.7	89.7

CB双耳环
CB Double Earrings



符号/缸径 Symbol / Bore size	32	40	50	63	80	100	125	160	200
CC	19	19	19	19	32	32	50	55	60
CD	5	5	3	3	8	8	25	9	30
CE	12	14	14	14	20	20	25	30	30
CJ	13	13	15	15	21	21	25	35.5	30
CP	16.3	20.5	20.3	20.3	32.3	32.3	70	90	90
CT	32	44	52	52	64	64	120	160	160
PA1	41	51.8	60.3	60.3	73.8	73.8	130	181	170
PB1	33.5	45.8	54	54	65.5	65.5	121.5	171.5	161.5
S	48	50	62	75	94	94	140	180	220
T	33	37	47	56	70	70	110	140	175

TC中摆
TC middle pendulum



符号/缸径 Symbol / Bore size	40	50	63	80	100	125	160	200
EB	113	126	138	164	182	210	264	336
EC	63	76	88	114	132	160	200	240
ED	37	47	56	70	84	110	140	175
EE	63	76	88	114	132	160	200	240
EG	25	25	25	25	25	25	32	48
EP	25	25	25	25	25	25	32	38
ET	30	30	30	30	30	30	38	44
S	45.5	55.5	68.5	87.5	107.5	134.5	172.5	212.5



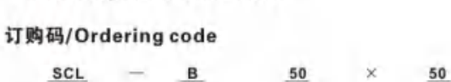
标准规格/Specification

内径 Bore size (mm)			40	50	63	80	100
动作方式 Action type			复动型 Double acting				
工作介质 Working medium			空气(经40μm以上滤网过滤)Air (to be filtered by 40μm filter element)				
固定型式Mounting type			基本型Basic FA FB CA CB LB TC TCM1				
使用压力范围 Operating pressure			0.15~1.0MPa(22~145psi)				
保证耐压力 Proof pressure			1.5MPa(215psi)				
工作温度 Temperature ℃			-20~70				
使用速度范围 Speed range(mm/s)			30~800				
行程公差范围 Stroke tolerance			0~250 $^{+1.0}_{0}$	251~1000 $^{+1.5}_{0}$		1001~1500 $^{+2.0}_{0}$	
缓冲型式 Cushion type			可调缓冲Variable cushion				
缓冲行程 mm Adjustable cushion stroke	无锁端 Lock free end	SCL	21			28	29
		SUL	24			32	
	附锁端 Lock end	SCL	17	18		20.5	22
		SUL	13.5	15		18	
*接管口径 Pipe Size			PT1/4	PT3/8			PT1/2

* 接管牙型有PT, NPT,G牙可供选择。PT, NPT, G thread are available.

符号/Symbol

SCLB SULB | SCLB-S SULB-S | SCLF SULF | SCLF-S SULF-S



行程/Stroke

内径 Bore size (mm)	标准行程 Standard stroke	最大行程 Max. stdstroke	容许行程 Max.stroke
40	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800	1200	1800
50		1200	1800
63	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	1800
80		1500	1800
100		1500	1800

注：SCL/SUL系列气缸在最大行程范围内，若行程≥1600mm，作非标处理。
其它特殊行程请与本公司联系。
Note: SCL/SUL series cylinder within the maximum range of travel, if travel ≥1600mm, for non-standard processing. Other special trip please contact the company.

产品特性/Product characteristics

1. 带锁气缸分：前盖带锁型与后盖带锁型；
   Cylinders with lock can be divided into front cover with lock and back cover with lock.
2. 解锁方式：自动与手动。
   Unlocked way: automatic and manual.

订购码/Ordering code

SCL — B — 50 × 50 — S — □ — □ — □

- SCL 型号 Model
  - SCL：标准复动附锁型(SC) Standard double acting with lock type(SC)
  - SUL：标准复动附锁型(SU) Standard double acting with lock type(SU)
- B 锁具位置 Lock position
  - B: 后盖附锁型 Back cover with lock type
  - F: 前盖附锁型 Front cover with lock type
- 50 缸径 Bore size
- 50 行程 Stroke
- S 磁石代号 Magnet
  - 空白Blank: 不附磁石 Without magnet
  - S: 附磁石 With magnet
- □ 固定型式 ① Mounting type

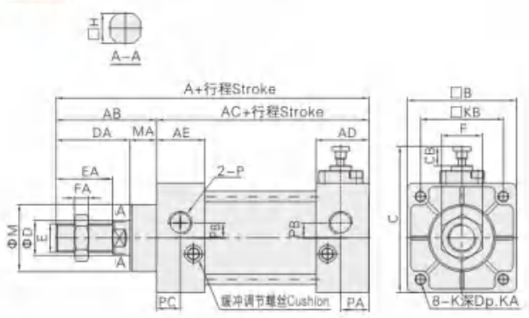
	固定型式Mounting type	适用系列Applicable Series	备注Remark
空白Blank		SCLB SCLF SULB SULF	
LB			
FA			
FB			
CA			
CB			
TC			与TCM1配合使用 Used in conjunction with TCM1

- □ 密封件材质 Seals Material
  - 空白Blank: TPU
  - N: NBR
  - H: 氟橡胶Viton
- □ 牙型代码 Dental code
  - 空白Blank：PT牙Thread
  - T：NPT牙Thread
  - G：G牙Thread

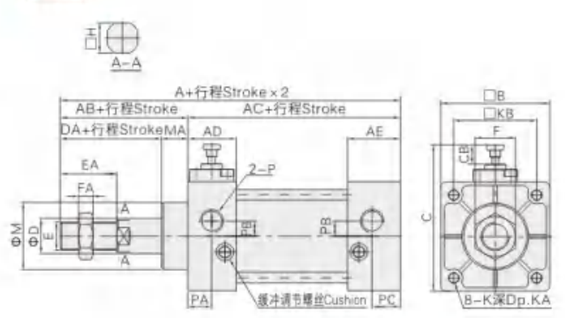
① 附件与SC/SU系列通用 ① Mounting accessories are the same as SC/SU series.

外形尺寸图(毫米)/Dimensions (mm)

SCLB



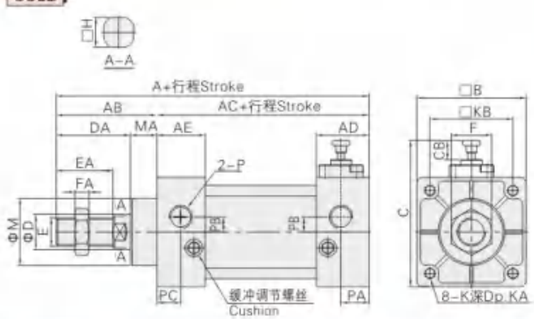
SCLF



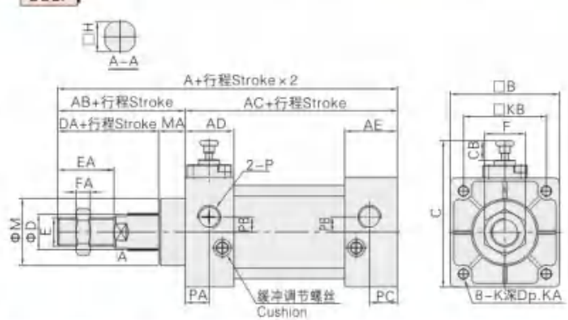
缸径符号Bore size / Symbol	A	AB	AC	AD	AE	B	C	CB	D	DA	E	EA	F
40	144.5	49	95.5	30	27.5	50	76.5	15	16	34	M12×1.25	24	17
50	152.5	57	95.5	30	27.5	62	88.5	15	20	42	M16×1.5	32	23
63	157	57	100	31.5	27.5	75	100.5	14	20	42	M16×1.5	32	23
80	188	75	113	39	33	94	122.5	15	25	54	M20×1.5	40	26
100	194	75	119	39	33	112	140.5	15	25	54	M20×1.5	40	26

缸径符号Bore size / Symbol	FA	H	K	KA	KB	M	MA	P	PA	PB	PC
40	7	13	M6×1.0	14.5	37	32	15	PT1/4	17.5	6	15
50	8	17	M6×1.0	14.5	47	38	15	PT1/4	17.5	8.5	17
63	8	17	M8×1.25	14.5	56	38	15	PT3/8	18	9.5	15
80	10	22	M10×1.5	17	70	47	21	PT3/8	25.5	10	19.5
100	10	22	M10×1.5	17	84	47	21	PT1/2	22.5	7	16.5

SULB



SULF



缸径符号Bore size / Symbol	A	AB	AC	AD	AE	B	C	CB	D	DA	E	EA	F	FA	H
40	144.5	49	95.5	30	27.5	50	71	10	16	34	M12×1.25	24	17	7	14
50	152.5	57	95.5	30	27.5	62	83	10	20	42	M16×1.5	32	23	8	17
63	157	57	100	31.5	27.5	75	96	8	20	42	M16×1.5	32	23	8	17
80	188	75	113	39	33	94	116	8	25	54	M20×1.5	40	26	10	22
100	194	75	119	39	33	112	134	8	25	54	M20×1.5	40	26	10	22

缸径符号Bore size / Symbol	K (不附Without TC)	K (附With TC)	KA (不附Without TC)	KA (附With TC)	KB	M	MA	P	PA	PB	PC
40	M6×1.0	M5×0.8	9.5	9	37	32	15	PT1/4	16	6	13.5
50	M6×1.0	M5×0.8	9.5	9.5	47	38	15	PT1/4	16	8.5	13.5
63	M8×1.25	M6×1.0	9.5	7.5	56	38	15	PT3/8	16.5	7	13.5
80	M10×1.5	M8×1.25	11.5	11	70	47	21	PT3/8	19	10	16.5
100	M10×1.5	M8×1.25	11.5	11	84	47	21	PT1/2	19	11	16.5

注：附磁型与不附磁型之尺寸相同。
Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.

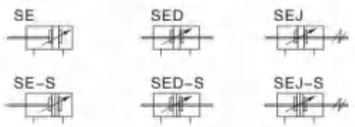


标准规格/Specification

内径(mm) Bore size		32	40	50	63	80	100	125
动作方式 Action type		复动型 Double acting						
工作介质 Working medium		空气(经40μm以上滤网过滤)Air (to be filtered by 40μm filter element)						
固定型式 Mounting type	SE	基本型(Basic type) FA FB CA CB CR LB TC FTC TCM1 TCM2						
	SED SEJ	基本型(Basic type) FA LB TC FTC TCM1 TCM2						
使用压力范围 Operating pressure		0.15~1.0MPa(22~145Psi)(1.5~10.0bar)						
保证耐压力 Proof pressure		1.5MPa(215Psi)(15bar)						
工作温度 ℃ Temperature		-20~70						
使用速度范围 Speed range(mm/s)		30~800						30~500
行程公差范围 Stroke tolerance		0~250$^{+1.0}_{0}$ 251~1000$^{+1.5}_{0}$ 1001~1500$^{+2.0}_{0}$						
缓冲型式 Cushion type		可调缓冲Variable cushion						
缓冲行程 Adjustable cushion stroke(mm)		27		30		36		40
*接管口径 Port size		PT1/8	PT1/4		PT3/8		PT1/2	

* 接管牙型有PT, NPT,G牙可供选择。PT, NPT, G thread are available.

符号/Symbol



行程/Stroke

内径 Bore size (mm)	标准行程 Standard stroke	最大行程 Max. stdstroke	容许行程 Max.stroke
32	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500	1000	1800
40	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800	1200	1800
50	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1200	1800
63		1500	1800
80		1500	1800
100		1500	1800
125		1500	1800

注：其它特殊行程请与本公司联系。
Note: Please contact the company for other special strokes.

订购码/Ordering code

SE — 80 □ × 50 — S — □ — □ — □
SED — 80 □ × 50 — S — □ — □ — □
SEJ — 80 □ × 50 — 20 — S — □ — □ — □

缸径 Bore size: 32 / 40 / 50 / 63 / 80 / 100 / 125

活塞杆材质 Rod material: 空白Blank：中碳钢Carbon steel; A：SUS420J2; B：SUS304; C SUS316

行程 Stroke

调整行程 Adjustable Stroke: 10：10mm; 20：20mm; 30：30mm; 40：40mm; 50：50mm; 75：75mm; 100：100mm

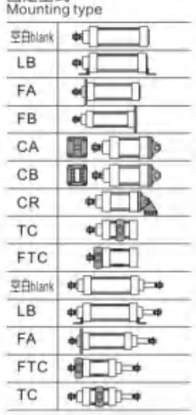
磁石代号 Magnet: 空白Blank: 不附磁石 Without magnet; S: 附磁石 With magnet

密封件材质 Seals Material: 空白Blank: TPU; N: NBR; H: 氟橡胶Viton

牙型代码 Thread type: 空白Blank：PT牙Thread; T：NPT牙Thread; G：G牙Thread

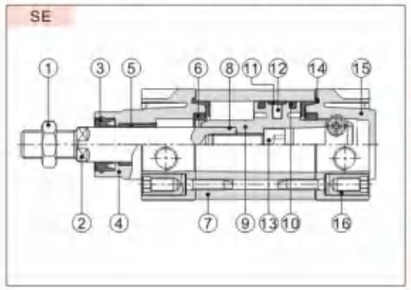
型号 Model:
- SE: 标准复动型 Double acting type
- SED: 双轴复动型 Double rod type
- SEJ: 双轴复动行程可调型 Double acting with adjustable stroke

固定型式 Mounting type:



注1：CR附件与CB配合使用；FTC、TC附件与TCM1、TCM2配合使用。
Note1: CR is used with CB; FTC、TC are used with TCM1、TCM2.

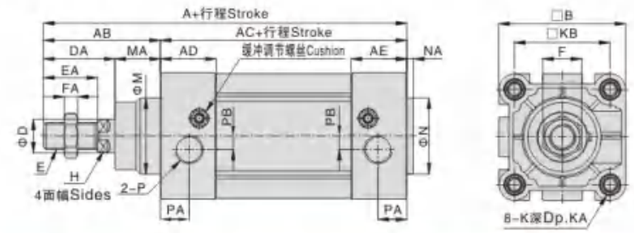
内部结构及主要零件材质/Internal structure and material of main parts



序号 NO	名称 Item	材质 Material	序号 NO	名称 Item	材质 Material
1	螺母 Rod nut	碳钢/不锈钢 Carbon steel/stainless steel	9	活塞 Piston	铝合金 Aluminum alloy
2	活塞杆 Piston rod	S45C镀硬铬研磨棒 S45C hard chrome plated grinding rod	10	活塞O令 Piston seal	TPU TPU
3	前盖O令 Front cover packing	TPU TPU	11	耐磨环 Wear ring	耐磨材料 Wear resistant material
4	前盖 Front cover	铝合金 Aluminum alloy	12	磁铁 Magnet	塑胶/橡胶(Φ125) Plastic/Rubber (Φ125)
5	衬套 Bushing	耐磨材料 Wear resistant material	13	内六角螺栓 Bolt	碳钢 Carbon steel
6	缓冲O令 Cushing O-ring	TPU TPU	14	缓冲密封垫 Cushion seal	TPU TPU
7	缸体 Barrel	铝合金 Aluminum alloy	15	后盖 Back cover	铝合金 Aluminum alloy
8	O形环 O-ring	NBR NBR	16	自攻螺丝 Self-tapping screws	碳钢/不锈钢 Carbon steel/stainless steel

外形尺寸图(毫米)/Dimensions (mm)

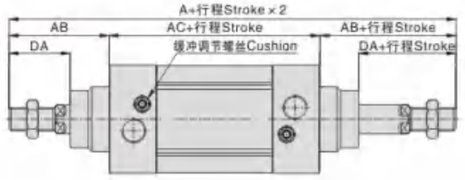
SE



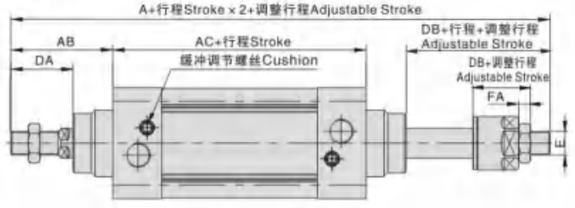
缸径/符号 Bore size / symbol	A	AB	AC	AD	AE	B	D	DA	E	EA	F	FA	H	K	KA	KB	M	MA	NA	N	P	PA	PB
32	142	48	94	27.5	27.5	46.5	12	29	M10×1.25	22	17	6	10	M6	16	32.5	30	19	3	30	PT1/8	13.5	6
40	159	54	105	32	32	54	16	33	M12×1.25	24	17	7	13	M6	17	38	35	21	3.5	35	PT1/4	17.5	6
50	175	69	106	31	31	64	20	42	M16×1.5	32	23	8	17	M8	17	46.5	40	27	3.5	40	PT1/4	14	8
63	190	69	121	33	33	75	20	42	M16×1.5	32	23	8	17	M8	17	56.5	45	27	4	45	PT3/8	17	8
80	214	86	128	33	33	93	25	53	M20×1.5	40	26	10	22	M10	19	72	45	33	4	45	PT3/8	16.5	8
100	229	91	138	37	37	110	25	55	M20×1.5	40	26	10	22	M10	19	89	55	36	4	55	PT1/2	19.5	10
125	279	119	160	46	46	134	32	74	M27×2	54	41	13.5	27	M12	20	110	60	45	4	60	PT1/2	23	11

注：附磁型与不附磁型之尺寸相同。
Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.

SED



SEJ



缸径/符号 Bore size / symbol	A		AB	AC	DA	DB	FA	E
	SED	SEJ						
32	190	188	48	94	29	27	6	M10×1.25
40	213	208	54	105	33	28	7	M12×1.25
50	244	231	69	106	42	29	8	M16×1.5
63	259	246	69	121	42	29	8	M16×1.5
80	300	282.5	86	128	53	35.5	10	M20×1.5
100	320	300.5	91	138	55	35.5	10	M20×1.5
125	398	366.5	119	160	74	42.5	13.5	M27×2.0

注：1、附磁型与不附磁型之尺寸相同，
2、未标注之尺寸与SE标准型相同。
Remark:1.The dimensions of magnet type cylinder are the same as non-magnet type cylinder.
2.The unmarked dimension is the same as SE standard type

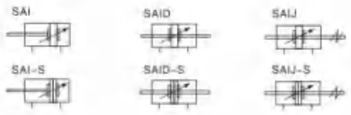


标准规格/Specification

内径(mm) Bore size		32	40	50	63	80	100	125	160	200
动作方式 Action type		复动型 Double acting								
工作介质 Working medium		空气(经40μm以上滤网过滤)Air (to be filtered by 40μm filter element)								
固定型式 Mounting type	SAI	基本型(Basic type) FA FB CA CB CR LB TC FTC TCM1 TCM2								
	SAID、SAIJ	基本型(Basic type) FA LB TC FTC TCM1 TCM2								
使用压力范围 Operating pressure		0.15~1.0MPa(22~145Psi)(1.5~10.0bar)								
保证耐压力 Proof pressure		1.5MPa(215Psi)(15bar)								
工作温度 ℃ Temperature		-20~70								
使用速度范围 Speed range(mm/s)		30~800						30~500		
行程公差范围 Stroke tolerance		0~250 $^{+1.0}_{0}$		251~1000 $^{+1.5}_{0}$				1001~1500 $^{+2.0}_{0}$		
缓冲型式 Cushion type		可调缓冲Variable cushion								
缓冲行程 Adjustable cushion stroke(mm)		27		30		36		40	50	
*接管口径 Port size		PT1/8	PT1/4		PT3/8		PT1/2		PT3/4	

* 接管牙型有PT, NPT,G牙可供选择。PT, NPT, G thread are available.

符号/Symbol



行程/Stroke

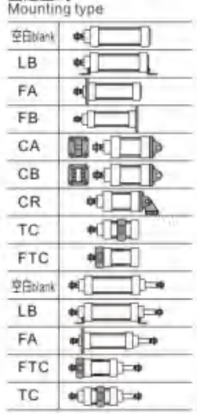
内径 Bore size (mm)	标准行程 Standard stroke	最大行程 Max. std stroke	容许行程 Max. stroke
32	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500	1000	1800
40	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800	1200	1800
50	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1200	1800
63	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	1800
80	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	1800
100	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	1800
125	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	1800
160	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
200	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000

注：其它特殊行程请与本公司联系。
Note: Please contact the company for other special strokes.

订购码/Ordering code

SAI / SAID / SAIJ — 160 — □ × 50 — 20 — S — □ — □ — □ — □

- 型号 Model
  - SAI: 标准复动型 Double acting type
  - SAID: 双轴复动型 Double rod type
  - SAIJ: 双轴复动行程可调型 Double acting with adjustable stroke
- 缸径 Bore size: 32, 40, 50, 63, 80, 100, 125, 160, 200
- 活塞杆材质 Rod material: 空白Blank：中碳钢Carbon steel; A：SUS420J2; B：SUS304
- 行程 Stroke
- 调整行程 Adjustable Stroke: 10：10mm, 20：20mm, 30：30mm, 40：40mm, 50：50mm, 75：75mm, 100：100mm
- 磁石代号 Magnet: 空白Blank: 不附磁石 Without magnet; S: 附磁石 With magnet
- 固定型式 Mounting type



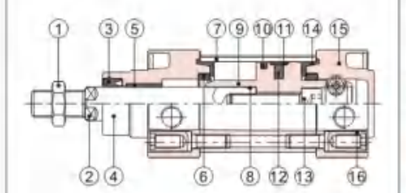
- 密封件材质 Seals Material: 空白Blank: TPU; N: NBR; H: 氟橡胶Viton
- 牙型代码 Thread type: 空白Blank：PT牙Thread; T：NPT牙Thread; G：G牙Thread

注1：CR附件与CB配合使用；FTC、TC附件与TCM1、TCM2配合使用。
Note1: CR is used with CB; FTC、TC are used with TCM1、TCM2.

JIAYUAN SAI Series 标准气缸(符合ISO15552标准) Standard Cylinder(ISO15552)

内部结构及主要零件材质 / Internal structure and material of main parts

SAI

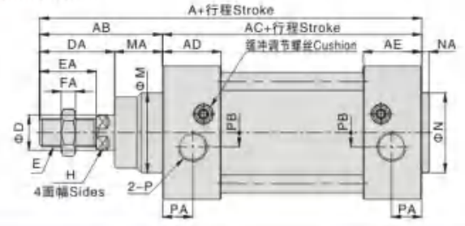


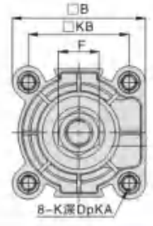
序号 NO	名称 Item	材质 Material
1	螺母 Rod nut	碳钢/不锈钢 Carbon steel/stainless steel
2	活塞杆 Piston rod	S45C镀硬铬研磨棒 S45C hard chrome plated grinding rod
		不锈钢 Stainless steel
3	前盖O令 Front cover packing	TPU TPU
4	前盖 Front cover	铝合金 Aluminum alloy
5	衬套 Bushing	耐磨材料 Wear resistant material
6	缓冲O令 Cushing O-ring	TPU TPU
7	缸体 Barrel	铝合金 Aluminum alloy
8	活塞杆O令 Piston rod O-ring	NBR NBR

序号 NO	名称 Item	材质 Material
9	活塞 Piston	铝合金 Aluminum alloy
10	活塞O令 Piston seal	NBR NBR
11	耐磨环 Wear ring	耐磨材料 Wear resistant material
12	磁铁 Magnet	塑胶(Φ100以下) Plastic plastic (below Φ100)
		橡胶(其它) Rubber (other)
13	内六角螺栓 Bolt	碳钢 Carbon steel
14	缓冲密封垫 Cushion gasket	TPU TPU
15	后盖 Back cover	铝合金 Aluminum alloy
16	支柱螺帽 Tie-rod nut	碳钢 Carbon steel

外形尺寸图(毫米)/Dimensions (mm)

SAI

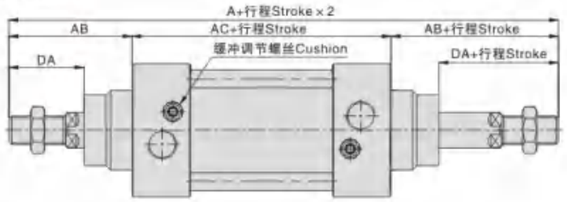




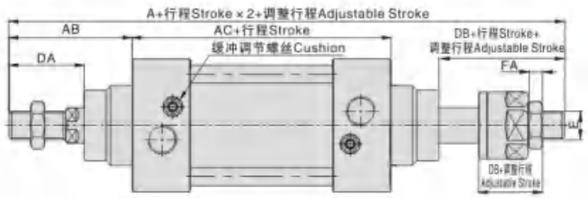
缸径/符号 Bore Size / symbol	A	AB	AC	AD	AE	B	D	DA	E	EA	F	FA	M	MA	H	K	KA	KB	N	NA	P	PA	PB
32	142	48	94	27.5	27.5	47	12	29	M10×1.25	22	17	6	30	19	10	M6	16	32.5	30	3	PT1/8	13	5.5
40	159	54	105	32	32	53	16	33	M12×1.25	24	17	7	35	21	13	M6	17	38	35	3.5	PT1/4	17	6
50	175	69	106	31	31	65	20	42	M16×1.5	32	23	8	40	27	17	M8	17	46.5	40	3.5	PT1/4	15.5	7.5
63	190	69	121	33	33	75	20	42	M16×1.5	32	23	8	45	27	17	M8	17	56.5	45	4	PT3/8	16.5	7.5
80	214	86	128	33	33	95	25	53	M20×1.5	40	26	10	45	33	22	M10	19	72	45	4	PT3/8	16.5	9
100	229	91	138	37	37	115	25	55	M20×1.5	40	26	10	55	36	22	M10	19	89	55	4	PT1/2	18.5	9.5
125	279	119	160	46	46	140	32	74	M27×2	54	41	13.5	60	45	27	M12	22	110	60	4	PT1/2	23	14
160	332	152	180	50	50	180	40	94	M36×2	72	55	18	65	58	36	M16	30	140	65	4	PT3/4	25	15
200	347	167	180	50	50	220	40	100	M36×2	72	55	18	75	67	36	M16	30	175	75	5	PT3/4	25	15

注：附磁型与不附磁型之尺寸相同。
Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.

SAID



SAIJ



缸径/符号 Bore size / symbol	A		AB	AC	DA	DB	E	FA
	SAID	SAIJ						
32	190	188	48	94	29	27	M10×1.25	6
40	213	208	54	105	33	28	M12×1.25	7
50	244	231	69	106	42	29	M16×1.5	8
63	259	246	69	121	42	29	M16×1.5	8
80	300	282.5	86	128	53	35.5	M20×1.5	10
100	320	300.5	91	138	55	35.5	M20×1.5	10
125	398	366.5	119	160	74	42.5	M27×2.0	13.5
160	484	458	152	180	94	68	M36×2.0	18
200	514	482	167	180	100	68	M36×2.0	18

注：1、附磁型与不附磁型之尺寸相同。
2、未标注之尺寸与SAI标准型相同。
Remark:1.The dimensions of magnet type cylinder are the same as non-magnet type cylinder.
2.The unmarked dimension is the same as SAI standard type



标准规格/Specification

内径(mm) Bore size		32	40	50	63	80	100
动作方式 Action type		复动型 Double acting					
工作介质 Working medium		空气(经40μm以上滤网过滤)Air (to be filtered by 40μm filter element)					
固定型式 Mounting type	SAU	基本型(Basic type) FA FB CA CB LB					
	SAUD、SAUJ	基本型(Basic type) FA LB					
使用压力范围 Operating pressure		0.15~1.0MPa(22~145Psi)(1.5~10.0bar)					
保证耐压力 Proof pressure		1.5MPa(215Psi)(15bar)					
工作温度 ℃ Temperature		-20~70					
使用速度范围 Speed range(mm/s)		30~800				30~500	
行程公差范围 Stroke tolerance		0~250 $^{+1.0}_{0}$	251~1000 $^{+1.5}_{0}$		1001~1500 $^{+2.0}_{0}$		
缓冲型式 Cushion type		可调缓冲Variable cushion					
缓冲行程 Adjustable cushion stroke(mm)		21				28	29
*接管口径 Port size		PT1/8	PT1/4		PT3/8		PT1/2

* 接管牙型有PT, NPT,G牙可供选择。PT, NPT, G thread are available.

符号/Symbol



行程/Stroke

内径 Bore size (mm)	标准行程 Standard stroke	最大行程 Max. stdstroke	容许行程 Max.stroke
32	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500	1000	1800
40	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800	1200	1800
50	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1200	1800
63	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	1800
80	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	1800
100	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	1800

注：其它特殊行程请与本公司联系。
Note: Please contact the company for other special strokes.

产品特性/Product characteristics

1.本企业标准气缸；
2.活塞密封采用异型双向密封结构，尺寸紧凑，有储油功能；
3.为铝管米字型，无拉杆，防腐性能好；外围带传感器安装沟槽，使用方便；
4.与ISO15552标准气缸相比，同缸径SU系列气缸长度小；
5.气缸缓冲调节平稳；
6.气缸安装附件与SC系列气缸共用；
7.选择耐高温密封材料，可保证气缸在150℃条件下正常工作。

1. Our company's standard cylinder;
2. The piston seal adopts a special-shaped bidirectional sealing structure, which is compact in size,Has oil storage function;
3. It is an aluminum tube in the shape of a meter, without a pull rod, and has good anti-corrosion performance; Peripheral with sensors Device installation groove, easy to use;Compared with ISO15552 standard cylinders, the SU series cylinders with the same cylinder diameter have a shorter length;
5. The cylinder buffer adjustment is stable;
6. Cylinder installation accessories are shared with SC series cylinders;
7. Choosing high-temperature resistant sealing materials can ensure that the cylinder operates normally under 150 ℃ conditions Work.

订购码/Ordering code

SAU / SAUD / SAUJ **50** × **50** — **20** **S**

缸径 Bore size: 32, 40, 50, 63, 80, 100

行程 Stroke

调整行程 Adjustable Stroke: 10：10mm; 20：20mm; 30：30mm; 40：40mm; 50：50mm; 75：75mm; 100：100mm

磁石代号 Magnet: 空白Blank: 不附磁石 Without magnet; S: 附磁石 With magnet

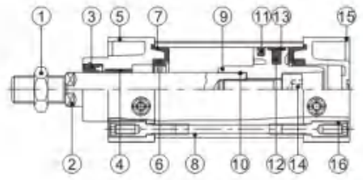
固定型式 Mounting type: 空白blank, LB, FA, FB, CA, CB, TC, 空白blank, LB, FA, TC

密封件材质 Seals Material: 空白Blank: TPU; N: NBR; H: 氟橡胶Viton

牙型代码 Thread type: 空白Blank：PT牙Thread; T：NPT牙Thread; G：G牙Thread

型号 Model:
SAU: 标准复动型 Double acting type
SAUD: 双轴复动型 Double rod type
SAUJ: 双轴复动行程可调型 Double acting with adjustable stroke

内部结构及主要零件材质 / Internal structure and material of main parts

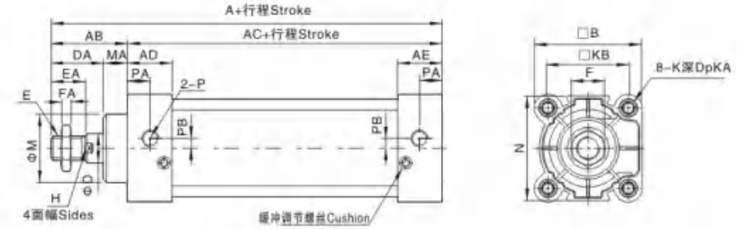


序号 NO	名称 Item	材质 Material
1	螺母 Rod nut	碳钢/不锈钢 Carbon steel/stainless steel
2	活塞杆 Piston rod	S45C镀硬铬研磨棒 S45C hard chrome plated grinding rod
3	前盖O令 Front cover packing	TPU TPU
4	衬套 Bushing	耐磨材料 Wear resistant material
5	前盖 Front cover	铝合金 Aluminum alloy
6	缓冲O令 Cushing O-ring	NBR NBR
7	缓冲密封垫 Cushion gasket	TPU TPU
8	缸体 Barrel	铝合金 Aluminum alloy

序号 NO	名称 Item	材质 Material
9	活塞 Piston	铝合金 Aluminum alloy
10	活塞杆O令 Piston rod	NBR NBR
11	活塞O令 Piston seal	NBR NBR
12	磁铁 Magnet	橡胶 Rubber
13	耐磨环 wear ring	耐磨材料 Wear-resistant material
14	内六角螺栓 Bolt	碳钢 Carbon steel
15	后盖 Back cover	铝合金 Aluminum alloy
16	支柱螺帽 Tie-rod nut	碳钢 Carbon steel

外形尺寸图(毫米)/Dimensions (mm)

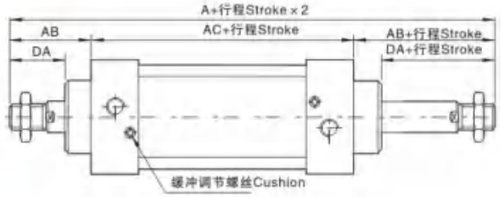
SAU



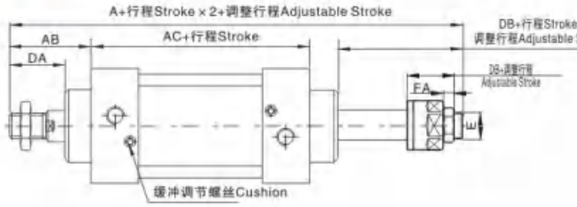
注：附磁型与不附磁型之尺寸相同。
Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.

缸径/符号 Bore size / symbol	A	AB	AC	AD	AE	B	D	DA	E	EA	F	FA	M	MA	N	H	K	KA	KB	P	PA	PB
32	140	47	93	27.5	27.5	45.5	12	32	M10×1.25	22	17	6	28	15	47	10	M6×1.0	16	33	PT1/8	14	5.5
40	142	49	93	27.5	27.5	50	16	34	M12×1.25	24	17	7	32	15	53	14	M6×1.0	16	37	PT1/4	15	6
50	150	57	93	27.5	27.5	62	20	42	M16×1.25	32	23	8	38	15	61.5	17	M6×1.0	16	47	PT1/4	17	8.5
63	153	57	96	27.5	27.5	75	20	42	M16×1.25	32	23	8	38	15	73	17	M8×1.25	16	56	PT3/8	15	9.5
80	182	75	107	33	33	94	25	54	M20×1.5	40	26	10	47	21	88.5	22	M10×1.5	18	70	PT3/8	19.5	10
100	188	75	113	33	33	112	25	54	M20×1.5	40	26	10	47	21	106	22	M10×1.5	18	84	PT1/8	16.5	11

SAD



SAJ



缸径/符号 Bore size / symbol	A		AB	AC	DA	DB	FA	E
	SAD	SAJ						
32	187	182	47	93	32	27	6	M10×1.25
40	191	185	49	93	34	28	7	M12×1.25
50	207	194	57	93	42	29	8	M16×1.5
63	210	197	57	96	42	29	8	M16×1.5
80	257	238.5	75	107	54	35.5	10	M20×1.5
100	263	244.5	75	113	54	35.5	10	M20×1.5

注：1. 附磁型与不附磁型之尺寸相同。
2. 未标注之尺寸与SU标准型相同。
3. 附件标格与SU标准型相同。

Remark:1.The dimensions of magnet type cylinder are the same as non-magnet type cylinder.
2.The unmarked dimension is the same as SU standard type
3. The attachment specifications are the same as the SU standard type.



标准规格/Specification

内径(mm) Bore size		32	40	50	63	80	100	125
动作方式 Action type		复动型 Double acting						
工作介质 Working medium		空气(经40μm以上滤网过滤)Air (to be filtered by 40μm filter element)						
固定型式 Mounting type	JSI	基本型(Basic type) FA FB CA CB CR LB TC TCM1 TCM2						
	JSID、JSIJ	基本型(Basic type) FA LB TC TCM1 TCM2						
使用压力范围 Operating pressure		0.15~1.0MPa(22~145Psi)(1.5~10.0bar)						
保证耐压力 Proof pressure		1.5MPa(215Psi)(15bar)						
工作温度 ℃ Temperature		-20~70						
使用速度范围 Speed range(mm/s)		30~800						30~500
行程公差范围 Stroke tolerance		0~250$^{+1.0}_{0}$ 251~1000$^{+1.5}_{0}$ 1001~1500$^{+2.0}_{0}$						
缓冲型式 Cushion type		可调缓冲Variable cushion						
缓冲行程 Cushion stroke(mm)		24				32	37.5	40
*接管口径 Port size		PT1/8	PT1/4		PT3/8		PT1/2	

* 接管牙型有PT, NPT,G牙可供选择。PT, NPT, G thread are available.

符号/Symbol



行程/Stroke

内径 Bore size (mm)	标准行程 Standard stroke	最大行程 Max. stdstroke	容许行程 Max.stroke
32	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500	1000	1800
40	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1200	1800
50	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1200	1800
63	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	1800
80	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	1800
100	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	1800

注：其它特殊行程请与本公司联系。
Note: Please contact the company for other special strokes.

订购码/Ordering code

JSI — 80 × 50 — S —
JSID — 80 × 50 — S —
JSIJ — 80 × 50 — 20 — S —

缸径 Bore size: 32, 40, 50, 63, 80, 100, 125

行程 Stroke

调整行程 Adjustable Stroke: 10: 10mm; 20: 20mm; 30: 30mm; 40: 40mm; 50: 50mm; 75: 75mm; 100: 100mm

磁石代号 Magnet
空白Blank: 不附磁石 Without magnet
S: 附磁石 With magnet

固定型式 Mounting type

空白blank	
LB	
FA	
FB	
CA	
CB	
CR	
TC	
空白blank	
LB	
FA	
TC	

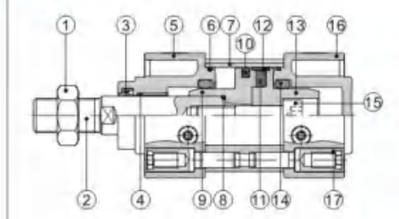
牙型代码 Thread type
空白Blank：PT牙Thread
T：NPT牙Thread
G：G牙Thread

型号 Model
JSI: 标准复动型 Double acting type
JSID: 双轴复动型 Double rod type
JSIJ: 双轴复动行程可调型 Double acting with adjustable stroke

注1：TC附件与TCM1、TCM2配合使用。TC is used with TCM1,TCM2.

内部结构及主要零件材质/Internal structure and material of main parts

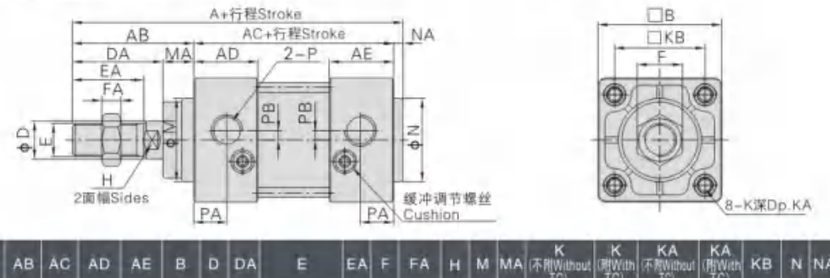
JSI



序号 NO	名称 Item	材质 Material
1	螺母 Rod nut	碳钢 Carbon steel
2	活塞杆 Piston rod	S45C镀硬铬研磨棒 S45C hard chrome plated grinding rod
3	前盖O令 Front cover packing	NBR NBR
4	衬套 Bushing	耐磨材料 Wear resistant material
5	前盖 Front cover	铝合金 Aluminum alloy
6	O型环 O-ring	NBR NBR
7	缸体 Barrel	铝合金 Aluminum alloy
8	O型环 O-ring	NBR NBR
9	活塞 Piston	铝合金 Aluminum alloy
10	活塞O令 Piston seal	NBR NBR
11	磁铁 Magnet	塑胶 Plastic
12	耐磨环 Wear ring	耐磨材料 Wear resistant material
13	磁铁座 Magnet holder	铝合金 Aluminum alloy
14	缓冲O令 Cushing O-ring	NBR NBR
15	螺丝 Screw	碳钢 Carbon steel
16	后盖 Back cover	铝合金 Aluminum alloy
17	支柱螺帽 Tie-rod nut	碳钢 Carbon steel

外形尺寸图(毫米)/Dimensions (mm)

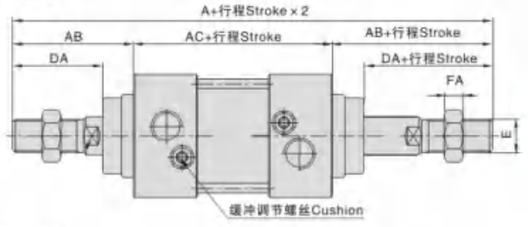
JSI



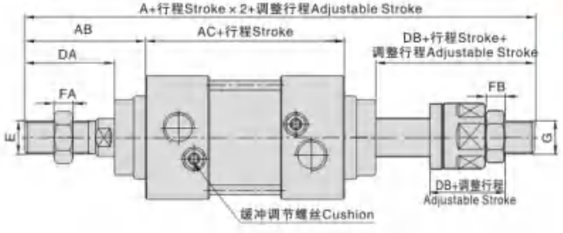
缸径/符号 Bore size / symbol	A	AB	AC	AD	AE	B	D	DA	E	EA	F	FA	H	M	MA	K (不附Without TC)	K (附With TC)	KA (不附Without TC)	KA (附With TC)	KB	N	NA	P	PA	PB
32	135	47	84	27.5	27.5	46	12	34	M10×1.25	22	17	6	10	30	13	M6	M5	16	14	32.5	30	4	PT1/8	13	4
40	139	51	84	29	29	52	16	38	M14×1.5	30	19	8	14	35	13	M6	M5	16	14	38	35	4	PT1/4	14	4
50	156	58	94	28.5	28.5	65	20	44	M18×1.5	35	27	11	18	40	14	M8	M6	17	16	46.5	40	4	PT1/4	15.5	5
63	156	58	94	31	31	75	20	44	M18×1.5	35	27	11	18	45	14	M8	M8	17	16	56.5	45	4	PT3/8	16.5	9
80	190	72	114	33	33	95	25	52	M22×1.5	40	32	13	22	45	20	M10	M8	21	16	72	45	4	PT3/8	19	11.5
100	190	72	114	37	37	114	30	52	M26×1.5	40	36	13	26	55	20	M10	M8	21	16	89	55	4	PT1/2	19	17
125	223	97	120	37	37	137	32	70	M27×2	54	41	13.5	27	60	27	M12	M12	21	18	110	60	6	PT1/2	19	17

注：附磁型与不附磁型之尺寸相同。
Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.

JSID



JSIJ

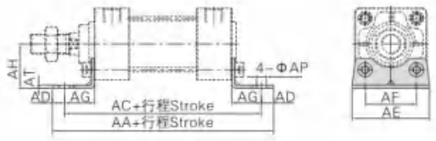


缸径/符号 Bore size / symbol	A		AB	AC	DA	DB	E	FA	FB	G
	JSID	JSIJ								
32	178	171	47	84	34	27	M10×1.25	6	6	M10×1.25
40	186	176	51	84	38	28	M14×1.5	8	7	M12×1.25
50	210	195	58	94	44	29	M18×1.5	11	8	M16×1.5
63	210	195	58	94	44	29	M18×1.5	11	8	M16×1.5
80	258	241.5	72	114	52	35.5	M22×1.5	13	10	M20×1.5
100	258	248.5	72	114	52	42.5	M26×1.5	13	13.5	M27×2.0
125	314	286.5	97	120	70	42.5	M27×2.0	13.5	13.5	M27×2.0

注：1、附磁型与不附磁型之尺寸相同。
2、未标注之尺寸与JSI标准型相同。
Remark: 1.The dimensions of magnet type cylinder are the same as non-magnet t ype cylinder.
2.The unmarked dimension is the same as JSI standard type.

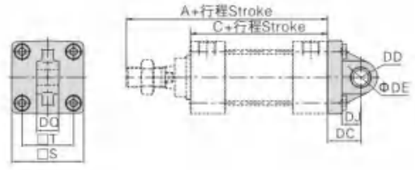
附件外部规格/Accessories external specifications

LB



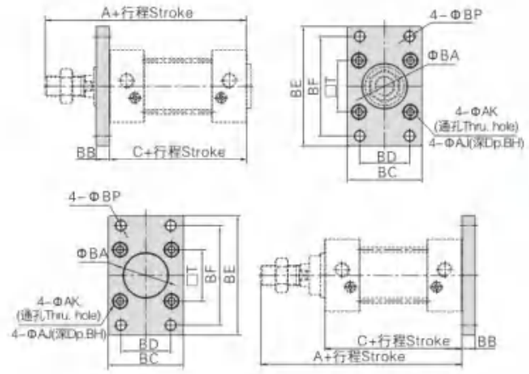
缸径/符号 Bore size / Symbol	AA	AC	AD	AE	AF	AG	AH	AP	AT
32	146	128	9	50	32	22	30	7	3
40	154	132	11	55	38	24	33	9	3
50	170	148	11	70	46	27	40	9	3
63	176	148	14	80	56	27	45	12	4
80	202	174	14	100	72	30	55	12	5
100	210	178	16	120	89	32	65	14	5
125	250	210	20	136	90	45	81	14	8

CA



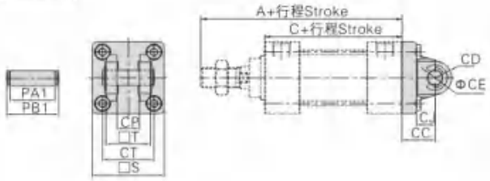
缸径/符号 Bore size / Symbol	A	C	S	T	DC	DD	DE	DJ	DQ
32	131	84	46	32.5	23	10.5	10	13	13.8
40	135	84	52	38	23	11	10	13	13.8
50	152	94	65	46.5	30	15	14	17	19.8
63	152	94	75	56.5	30	15	14	17	19.8
80	186	114	95	72	42	17.5	22	27	29.8
100	186	114	114	89	42	17.5	22	27	29.8
125	217	120	136	110	50	28	25	28	31.8

FA/FB



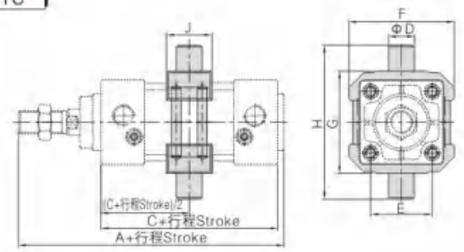
缸径/符号 Bore size / Symbol	A	C	AJ	AK	BA	BB	BC	BD	BE	BF	BH	BP	T
32	131	84	11	6.5	30.5	10	47	32	80	64	6.5	7	32.5
40	135	84	11	6.5	35.5	10	53	36	90	72	6.5	9	38
50	152	94	14	9	40.5	12	65	45	108	90	8.5	9	46.5
63	152	94	14	9	45.5	12	75	50	118	100	8.5	9	56.5
80	186	114	17	11	45.5	16	95	63	150	126	10.5	12.5	72
100	186	114	17	11	55.5	16	115	75	176	150	10.5	14.5	89
125	217	120	19	13	60.5	20	138	102	216	180	12.5	14	110

CB



缸径/符号 Bore size / Symbol	A	C	CC	CD	CE	CJ	CP	CT	PA1	PB1	S	T
32	131	84	23	10.5	10	14	14.2	32.5	28.8	34.6	46	28
40	135	84	23	11	10	14	14.2	38	28.8	34.6	52	28
50	152	94	30	15	14	18	20.2	46.5	40.8	47	65	40
63	152	94	30	15	14	18	20.2	56.5	40.8	47	75	40
80	186	114	42	20	22	27	30.2	72	60.8	69.2	95	60
100	186	114	42	20	22	27	30.2	89	60.8	69.2	114	60
125	217	120	50	25	25	32	32.2	110	64.8	73.2	136	64

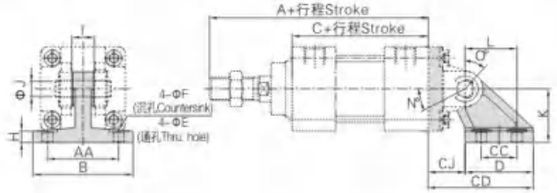
TC



缸径/符号 Bore size / Symbol	A	C	D	E	F	G	H	J
32	135	84	12	32.5	52	50	74	22
40	139	84	16	38	65	63	95	28
50	156	94	16	46.5	75	75	107	28
63	156	94	20	56.5	90	90	130	30
80	190	114	20	72	112	110	150	32
100	190	114	25	89	135	132	182	38
125	223	120	25	110	170	160	210	40

注：TC附件出厂前已安装在配套气缸铝管上，其位置不可任意调整。
如客户单独订购TC附件，则无法直接安装在标准气缸的铝管上。
Note: The TC accessory has been installed on the aluminum tube of the matching cylinder before leaving the factory, and its position cannot be adjusted arbitrarily. If the customer orders the TC accessory separately, it cannot be directly installed on the aluminum tube of the standard cylinder.

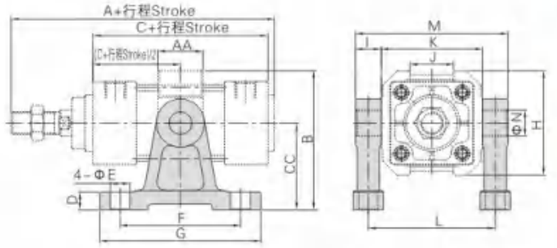
CR



缸径/符号 Bore size / Symbol	A	AA	B	C	CC	CD	CJ	D	E	F	H	I	J	K	L	N	O	N+O+90°
32	131	44	62	84	22	65	23	42	6.6	12	7	13.8	10	33	32	25	45	160
40	135	44	62	84	22	65	23	42	6.6	12	7	13.8	10	33	32	25	45	160
50	152	60	81	94	30	84.5	31.5	53	9	15	8	19.8	14	45	43	40	60	190
63	152	60	81	94	30	84.5	31.5	53	9	15	8	19.8	14	45	43	40	60	190
80	186	86	111	114	45	120	47	73	11	18	10	29.8	22	65	64	30	55	175
100	186	86	111	114	45	120	47	73	11	18	10	29.8	22	65	64	30	55	175
125	217	110	136	120	60	143	53	90	13.5	20	14	31.8	25	75	78	30	50	170

注:CR不可单独使用，必须与CB配合使用。
Note:CR can't be used alone, it must be used with CB.

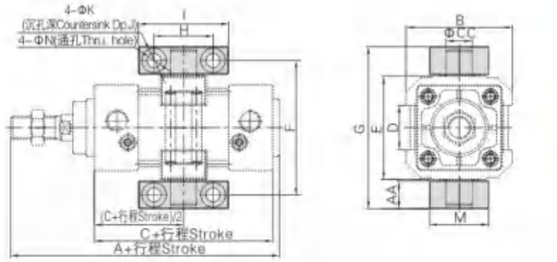
TCM1



缸径/符号 Bore size / Symbol	A	AA	B	C	CC	D	E	F	G	H	I	J	K	L	M	N
32	135	22	66	84	40	11	9	60	80	52	12	20	50	62	77	12
40	139	28	86.5	84	54	11	12	75	100	65	16	27	63	79	98	16
50	156	28	91.5	94	54	11	12	75	100	75	16	31	75	91	110	16
63	156	30	115	94	70	11	12	85	110	90	20	42	90	110	133	20
80	190	32	126	114	70	11	12	85	110	112	20	54	110	130	153	20
100	190	38	157.5	114	90	19	18	115	155	135	25	68	132	157	185	25
125	223	40	175	120	90	19	18	115	155	170	25	80	160	185	213	25

注：附件安装位置不可任意调整。
Note: The installation position of the accessories cannot be adjusted arbitrarily.

TCM2



缸径/符号 Bore size / Symbol	A	AA	B	C	CC	D	E	F	G	H	I	J	K	M	N
32	135	14	52	84	12	20	50	66	80	32	46	6.8	11	30	7
40	139	17	65	84	16	27	63	82	99	36	55	9	15	36	9
50	156	17	75	94	16	31	75	94	111	36	55	9	15	36	9
63	156	20.5	90	94	20	42	90	113.5	134	42	65	11	18	40	11
80	190	20.5	112	114	20	54	110	133.5	154	42	65	11	18	40	11
100	190	24.5	135	114	25	68	132	159.5	184	50	75	14	20	50	14
125	223	24.5	170	120	25	80	160	187.5	212	50	75	14	20	50	14

注：附件安装位置不可任意调整。
Note: The installation position of the accessories cannot be adjusted arbitrarily.



技术参数/Technical parameter

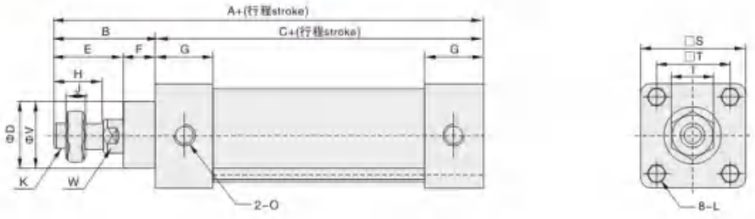
缸径Bore size / 性能Performance	Φ32~100	Φ125~320
工作介质Working medium	干燥洁净含油雾的压缩空气 Dry and clean compressed air containing oil mist	
工作压力范围Operating pressure	0.15~1MPa	0.1~1MPa
耐压Proof pressure	1.5MPa	
工作温度范围Temperature	5~60℃	
活塞运动速度范围Piston speed range	50~500mm/s	

订购码/Ordering code

QG – B – D – 100 × 200 – □ – S

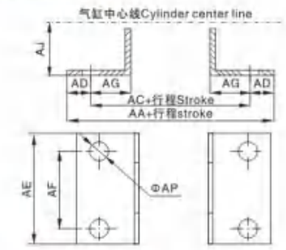
- QG 系列代号 Serial code：QGB:标准气缸 Standard cylinder
- B 安装形式 Mounting form：A：两端无缓冲 No buffer at both ends；B：两端带缓冲 Cushion at both ends
- D 系列代码 Serial code：空白Blank：标准复动型Standard double action；D：双轴复动型Double-axis double-acting type；J：双轴可调行程型Two-axis adjustable stroke type；S：单动押出型Single action extrusion type；T：单动押入型Single action push type；F：带阀型With valve
- 100 缸径 Bore size
- 200 行程 Stroke
- □ 安装形式 Mounting form：QG：标准型Standard type；MF1：前端矩形法兰型Front Rectangular Flange Type；MF2：后端矩形法兰型Rear Rectangular Flange Type；MP2：后端双耳环型Rear end double clevis type；MP4：后端单耳环型Rear end single earring type；MS1：端部角加型End Angle Plus Type；MT4：中间耳轴型Middle Trunnion Type；Y：Y型接头Y type connector；I：I型接头I type connector
- S 磁石代号 Magnet：空白Blank：不附磁石 Without magnet；S：附磁石 With magnet

外形尺寸图(毫米)/Dimensions (mm)



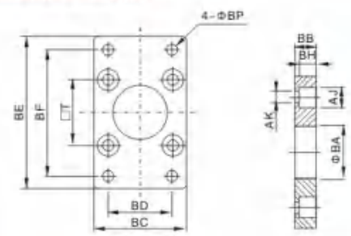
缸径	A	B	C	D	E	F	G	H	K	L	O	S	T	V	W	J
50	180	69	111	35	44	25	28	32	M16×1.5	M6	G1/4	65	38	20	17	8
63	194	69	125	40	44	25	32	32	M16×1.5	M8	G3/8	80	58	20	17	8
80	210	82	128	47	52	30	32	40	M20×1.5	M10	G3/8	95	75	25	22	10
100	226	87	139	47	52	35	37	40	M20×1.5	M10	G1/2	115	89	25	22	10
125	254	110	144	60	75	35	40	50	M27×2	M12×1.75	G1/2	140	110	32	28	13
160	325	150	175	65	95	50	50	70	M36×2	M16×2	G1/2	180	140	40	36	14
200	328	153	175	75	95	58	50	70	M36×2	M16×2	G1/2	220	175	40	36	14
250	360	175	185	90	115	60	50	80	M42×2	M20×2.5	G3/4	275	225	50	55	20
320	435	220	215	120	135	85	60	90	M48×2	M24×3	G1	350	280	63	57	20

LB脚架Tripod



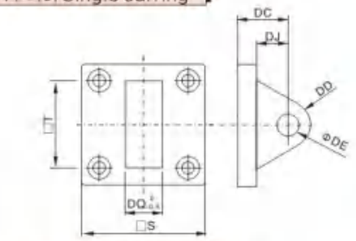
内径/符号 Bore size / symbol	50	63	80	100	125	160	200	250	320	400
AA	–	–	–	–	–	–	–	–	–	–
AC	–	–	–	–	–	–	–	–	–	–
AD	–	–	17	15	18	20	25	27	30	35
AE	–	–	95	115	140	180	220	270	350	430
AF	–	–	70	76	90	115	135	165	200	350
AG	–	–	27	35	45	60	60	75	85	90
AH	–	–	58	70	90	115	135	165	200	255
AP	–	–	14	14	16	18	25	28	35	38
AT	–	–	5	5	8	8	12	16	20	25

FA/FB法兰Flange



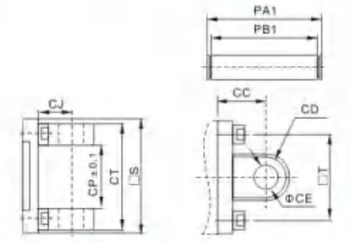
内径/符号 Bore size / symbol	AJ	AK	BA	BB	BC	BD	BE	BF	BH	BP	T
50	A	B	41	12	65	45	120	90	I	10	47
63	A	B	41	12	80	50	125	100	I	10	58
80	16	11	49	16	95	63	150	126	10	13	75
100	16	11	49	16	112	75	180	150	10	14	89
125	18	13	62	18	140	90	220	180	13	16	110
160	25	18	70	20	180	115	270	230	14	18	140
200	25	18	81	20	220	135	310	270	14	22	175
250	A	22	90	25	280	180	385	330	I	26	275
320	A	27	125	30	350	240	470	400	I	32	280
400	A	32	125	35	430	350	570	500	I	40	350

CA单耳环Single earring



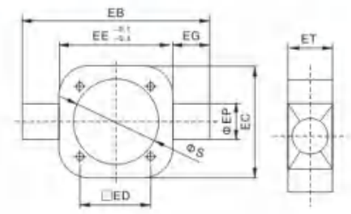
内径/符号 Bore size / symbol	50	63	80	100	125	160	200	250	320	400
S	65	75	95	110	140	180	220	280	350	按要求定做 Made to order
T	48	58	75	89	110	140	175	225	280	
DC	27	32	36	41	50	58	60	85	95	
DD	13	16	17	18	25	30	30	40	50	
DE	12	16	16	20	25	30	30	40	45	
DJ	16	20	23	28	35	36	36	50	60	
DQ	35	40	50	60	70	90	90	100	120	

CB双耳环Double earrings



内径/符号 Bore size / symbol	CC	CD	CE	CJ	CP	CT	PA1	PB1	S	T
32	22	9	10	13	25	45	51	45.5	47	32.5
40	25	10.5	12	16	28	52	59	52.5	52	38
50	27	11	12	17	32	60	67	60.5	64	46.5
63	32	13	16	22	40	70	77	70.5	74	56.5
80	36	14	16	22	50	90	97	90.5	94	72
100	41	17.5	20	27	60	110	119	110.5	113	89
125	50	21.5	25	33	70	130	139	130.5	139	110
160	55	30	30	35.5	90	170	181	170.5	180	140
200	60	30	30	36	90	170	181	170.5	220	175

CT中摆Mid swing



内径/符号 Bore size / symbol	50	63	80	100	125	160	200	250	320	400
EB	125	140	165	182	210	270	310	400	510	按要求定做 Made to order
EC	75	90	110	130	155	200	245	310	400	
ED	48	58	75	80	110	140	175	225	280	
EE	75	88	115	132	160	205	245	340	400	
EG	25	25	25	25	25	32	32	45	55	
EP	25	25	25	25	30	32	36	45	50	
ET	30	32	35	38	40	40	45	60	80	
S	56	70	87	107	131	171	214	269	342	



产品特性/Product characteristics

气缸缸筒采用高品质的铝合金精拉管，内表面经硬质阳极氧化处理其厚度为30μm.
硬度为MHV400。气缸端盖采用先进的压铸工艺。
活塞杆表面采用预先滚压硬化处理，经电镀硬铬、精磨，有良好的防锈。耐磨等特性。
密封件结构先进，品质优良，可在无供油情况下正常工作，气缸始动压力低，寿命长。

The cylinder barrel is made of high-quality aluminum alloy precision drawn tube, and the inner surface is treated with hard anodizing to a thickness of 30 μ m
The hardness is MHV400. The cylinder end cover adopts advanced die-casting technology.
The surface of the piston rod is pre rolled and hardened, electroplated with hard chromium, and finely ground to provide good rust prevention. Wear resistant and other characteristics.
The sealing structure is advanced, with excellent quality, and can work normally without oil supply.
The cylinder has low starting pressure and long service life.

符号/Symbol



无缓冲气缸 No buffering cylinder　　缓冲气缸 Buffer cylinder

标准规格/Specification

作用型式Mode of action	双作用 Double action
使用介质 Using media	经过滤的压缩空气 Compressed air that has been filtered
耐压试验压力 proof pressure	1.5MPa
最高使用压力 Maximum operating pressure	1.0MPa
最低工作压力 Minimum working pressure	0.1MPa
介质温度 Medium temperature	-10~+6℃
环境温度 ambient temperature	5~60℃
使用速度 Usage speed	50~500mm/s
行程误差 Travel error	(0~250)+1.0(251~1000)+1.5(1001~2000)+2.0(mm)
使用寿命 service life	>4000km

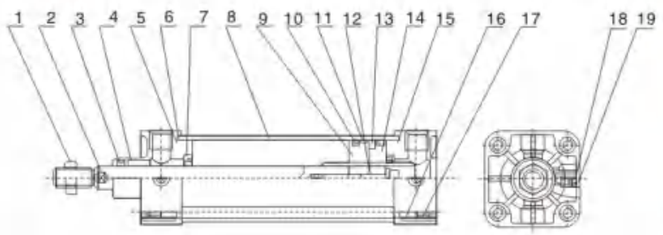
标准行程/Standard stroke

缸径(mm) Cylinder	标准行程(mm) Standard stroke	最大行程(mm) Stroke	缓冲行程(mm) cushion stroke
32	25,50,100,125,150,200,250,320,400,500,600,700,800,900,1000,1100,1200,1500,1800,2000	500	12
40			15
50		600	20
63			
80		1000	25
100			
125		1200	40
160		1500	
200		2000	50
250		2000	55
320			60
400			60

安装型式 Installation type

代号Code	名称 Name	代号Code	名称 Name
SD	基本型 Basic type	TC	中间轴销型 Intermediate shaft pin type
LB	轴向底座型 Axial base type	CA	单耳轴型 Single ear axis type
FA	前法兰型 Front flange type	CB	双耳轴型 Binaural axis type
FB	后法兰型 Rear flange type	I	单肘节接头 Single elbow joint
TA	前端轴销型 Front end shaft pin type	Y	双肘节接头 Double elbow joint
TB	后端轴销型 Rear end shaft pin type		

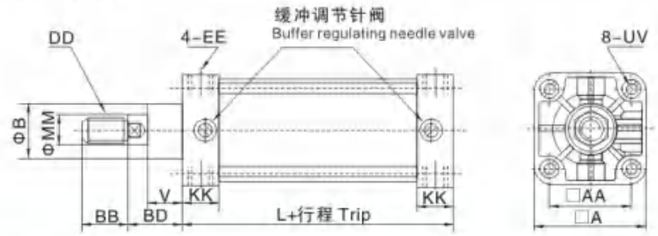
气缸零件表 Cylinder Parts List



序号 Serial Number	名称 Name
1	螺母 Nut
2	活塞杆 piston rod
3	防尘密封组合圈 Dust sealing combination ring
4	轴承 Bearing
5	前端盖 Front end cover
6	密封垫 a seal
7	缓冲密封圈 Buffer sealing ring
8	缸筒 Cylinder barrel
9	前活塞 Front piston
10	Y型圈 Y-shaped ring
11	活塞环 Piston ring
12	O型圈 O-ring
13	磁环 Magnetic ring
14	后活塞 Rear piston
15	后端盖 Rear end cover
16	拉杆 pull rod
17	螺帽 Nut cap
18	O型圈 O-ring
19	阀针 Valve needle

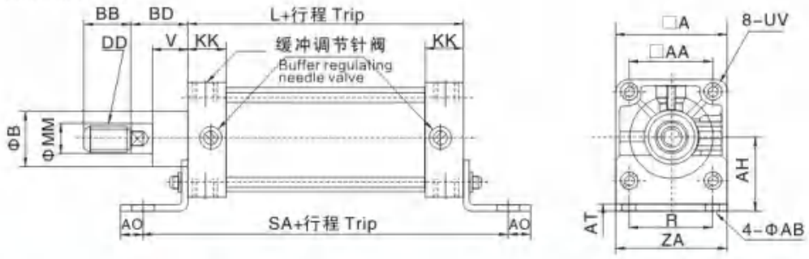
外形尺寸图(毫米)/Dimensions (mm)

SD基本型 Basic type



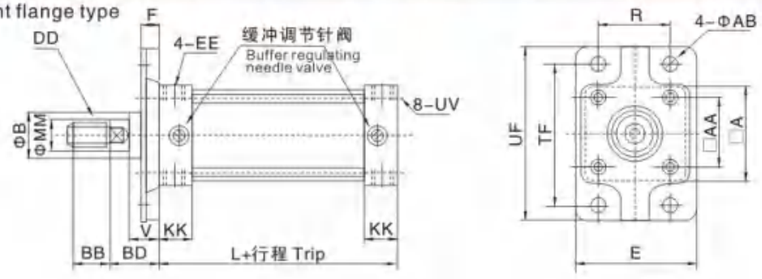
缸径 Cylinder(mm)	A	AA	B	BB	BD	DD	EE	KK	L	MM	UV	V
32	40	33	24.5	22	23	M10×1.25	ZG1/8	27	93	12	M5	5
40	53	38	35.5	30	33	M14×1.5	ZG1/4	27	99	16	M6	15
50	62	47	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M6	15
63	78	58	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M8	15
80	94	75	46.5	40	47	M22×1.5	G3/8	34	121	25	M8	18
100	114	90	51.5	40	64	M27×1.5	ZG1/2	36	132	25	M10	20
125	140	110	60	54	65	M27×2	ZG1/2	40	145	32	M12	45
160	180	145	65	60	66	M36×2	G1/2	45	170	40	M16	58
200	220	180	75	72	75	M36×2	G1/2	50	188	40	M16	60
250	270	225	90	84	91	M42×2	G3/4	50	195	50	M20	67
320	340	280	110	96	110	M48×2	G1"	55	235	60	M24	82
400	435	350	125	100	135	M56×4	G1"	60	255	80	M30	85
500	550	450	150	100	120	M80×3	G1"	70	290	100	M36	80

LB轴向底座型 Axial base type



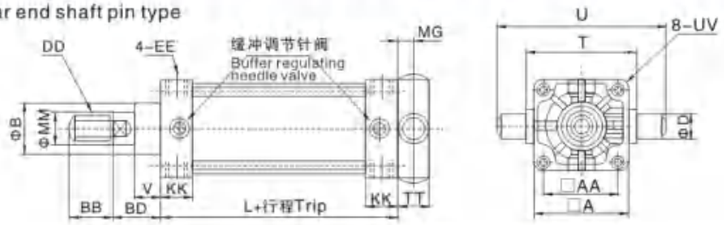
缸径 Cylinder(mm)	A	AA	B	BB	BD	DD	EE	KK	L	MM	UV	V
32	40	33	24.5	22	20	M10×1.25	ZG1/8	26	97	12	M5	9
40	53	38	35.5	30	33	M14×1.5	ZG1/4	27	99	16	M6	12
50	62	46	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M6	15
63	78	57	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M8	15
80	94	73	46.5	40	47	M22×1.5	ZG1/2	34	121	25	M8	18
100	114	89	51.5	40	64	M27×1.5	ZG1/2	36	132	30	M10	20
125	140	110	60	54	65	M27×2	ZG1/2	40	145	32	M12	45
160	180	140	65	72	80	M36×2	G3/4	45	170	40	M16	58
200	220	175	75	72	95	M36×2	G3/4	50	185	40	M16	60
250	270	220	90	84	105	M42×2	G1	50	195	50	M20	67
320	340	270	110	96	120	M48×2	G1	55	235	60	M24	82
400	430	350	125	100	180	M56×4	G1	60	260	90	M30	110

FA前法兰型 Front flange type



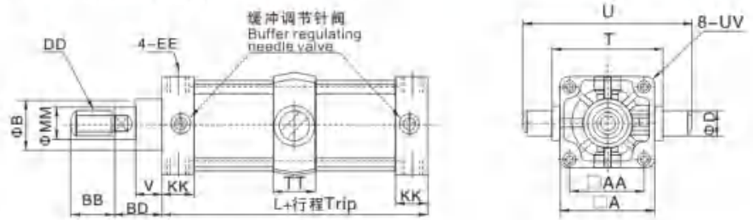
缸径(mm) Cylinder	A	AA	B	BB	BD	DD	EE	KK	L	MM	UV	V	E	F	FB	R	TF	UF	零件号 Part number
32	40	30	24.5	22	20	M10×1.25	ZG1/8	26	97	12	M5	9	45	8	6.8	20	60	80	G-TB32
40	53	38	35.5	30	33	M14×1.5	ZG1/4	27	99	16	M6	12	64	10	9	40	85	104	G-TB40
50	62	47	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M6	15	78	12	9	45	104	124	G-TB50
63	78	58	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M8	15	95	12	11	60	120	146	G-TB63
80	94	75	46.5	40	47	M22×1.5	ZG1/2	34	121	25	M8	18	118	16	14	71	145	174	G-TB80
100	114	89	51.5	40	64	M27×1.5	ZG1/2	36	132	30	M10	20	138	18	14	85	170	200	G-TB100
125	140	110	60	54	65	M27×2	ZG1/2	46	160	32	M12	45	140	20	16	90	180	224	G-TB125
160	180	140	65	72	80	M36×2	G3/4	50	180	40	M16	58	180	20	18	115	230	280	G-TB160
200	220	180	75	72	95	M36×2	G3/4	50	180	40	M16	60	220	25	22	135	270	320	G-TB200
250	270	225	90	84	105	M42×2	G1	52	200	50	M20	67	270	25	26	180	330	390	G-TB250
320	340	280	110	96	120	M48×2	G1	58	220	63	M24	82	340	30	33	240	400	470	G-TB320
400	430	350	125	100	180	M56×4	G1	58	260	90	M30	110	430	40	39	300	500	570	G-TB400

TB后端轴销型 Rear end shaft pin type



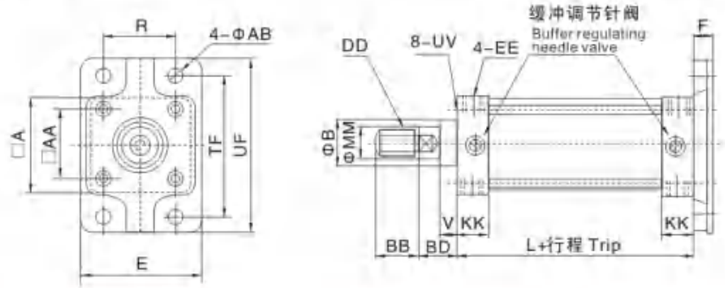
缸径(mm) Cylinder	A	AA	B	BB	BD	DD	EE	KK	L	MM	UV	V	D	T	TT	U	MG	零件号 Part number
32	40	30	24.5	22	20	M10×1.25	ZG1/8	26	97	12	M5	9	9	44	9.5	60	4.75	G-TB32
40	53	38	35.5	30	33	M14×1.5	ZG1/4	27	99	16	M6	12	16	65	21	101	10.5	G-TB40
50	62	46	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M6	15	16	80	24	116	12	G-TB50
63	78	57	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M8	15	20	100	24	144	12	G-TB63
80	94	75	46.5	40	47	M22×1.5	ZG1/2	34	121	25	M8	18	25	112	30	168	15	G-TB80
100	114	89	51.5	40	64	M27×1.5	ZG1/2	36	132	30	M10	20	25	136	38	203	19	G-TB100
125	140	110	60	54	65	M27×2	ZG1/2	46	160	32	M12	45	25	160	30	210	15	G-TB125
160	180	140	65	72	80	M36×2	G3/4	50	180	40	M16	58	32	200	38	264	19	G-TB160
200	220	175	75	72	95	M36×2	G3/4	50	180	40	M16	60	32	250	38	314	22	G-TB200
250	270	220	90	84	105	M42×2	G1	52	200	50	M20	67	40	320	60	400	30	G-TB250
320	340	270	110	96	120	M48×2	G1	58	220	63	M24	82	50	400	70	500	35	G-TB320
400	430	350	125	100	180	M56×4	G1	58	260	90	M30	110	90	500	110	640	35	G-TB400

TC中间端轴销型 Mid end shaft pin type



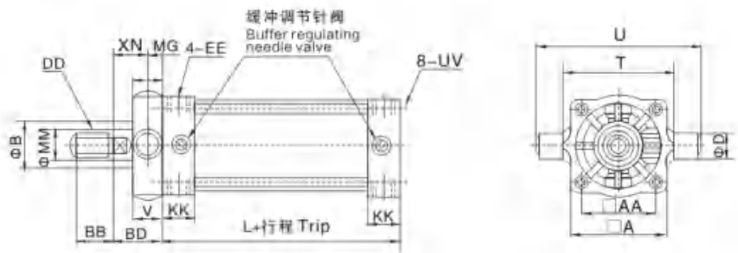
缸径(mm) Cylinder	A	AA	B	BB	BD	DD	EE	KK	L	MM	UV	V	D	T	TT	U	零件号 Part number
32	40	30	24.5	22	20	M10×1.25	ZG1/8	26	97	12	M5	9	9	44	9.5	60	G-TB32
40	53	38	35.5	30	33	M14×1.5	ZG1/4	27	99	16	M6	12	16	65	21	101	G-TB40
50	62	46	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M6	15	16	80	24	116	G-TB50
63	78	57	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M8	15	20	100	24	144	G-TB63
80	94	75	46.5	40	47	M22×1.5	ZG1/2	34	121	25	M8	18	25	112	30	168	G-TB80
100	114	89	51.5	40	64	M27×1.5	ZG1/2	36	132	30	M10	20	25	136	38	203	G-TB100
125	140	110	60	54	65	M27×2	ZG1/2	46	160	32	M12	45	25	160	30	210	G-TB125
160	180	140	65	72	80	M36×2	G3/4	50	180	40	M16	58	32	200	38	264	G-TB160
200	220	175	75	72	95	M36×2	G3/4	50	180	40	M16	60	32	250	38	314	G-TB200
250	270	220	90	84	105	M42×2	G1	52	200	50	M20	67	40	320	60	400	G-TB250
320	340	270	110	96	120	M48×2	G1	58	220	63	M24	82	50	400	70	500	G-TB320
400	430	350	125	100	180	M56×4	G1	58	260	90	M30	110	90	500	110	640	G-TB400

FB后法兰型 Rear flange type



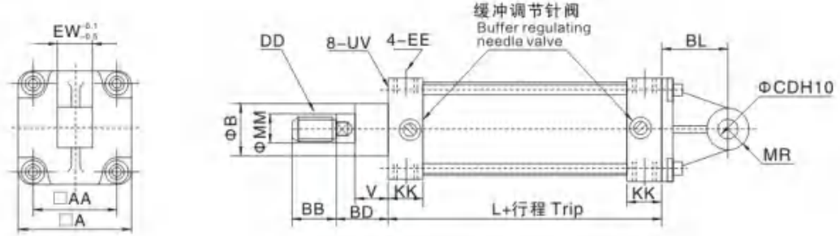
缸径(mm) Cylinder	A	AA	B	BB	BD	DD	EE	KK	L	MM	UV	V	E	F	FB	R	TF	UF	零件号 Part number
32	40	30	24.5	22	20	M10×1.25	ZG1/8	26	97	12	M5	9	45	8	6.8	20	60	80	G-FB32
40	53	38	35.5	30	33	M14×1.5	ZG1/4	27	99	16	M6	12	64	10	9	40	85	104	G-FB40
50	62	46	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M6	15	78	12	9	45	104	124	G-FB50
63	78	57	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M8	15	95	12	11	60	120	146	G-FB63
80	94	73	46.5	40	47	M22×1.5	ZG1/2	34	121	25	M8	18	118	16	14	71	145	174	G-FB80
100	114	89	51.5	40	64	M27×1.5	ZG1/2	36	132	30	M10	20	138	18	14	85	170	200	G-FB100
125	140	110	60	54	65	M27×2	ZG1/2	46	160	32	M12	45	140	20	16	90	180	224	G-FB125
160	180	140	65	72	80	M36×2	G3/4	50	180	40	M16	58	180	20	18	115	230	280	G-FB160
200	220	175	75	72	95	M36×2	G3/4	50	180	40	M16	60	220	25	22	135	270	320	G-FB200
250	270	220	90	84	105	M42×2	G1	52	200	50	M20	67	270	25	26	180	330	390	G-FB250
320	340	270	110	96	120	M48×2	G1	58	220	63	M24	82	340	30	33	240	400	470	G-FB320
400	430	350	125	100	180	M56×4	G1	58	260	90	M30	110	430	40	39	300	500	570	G-FB400

TA前端轴销型 Front end shaft pin type



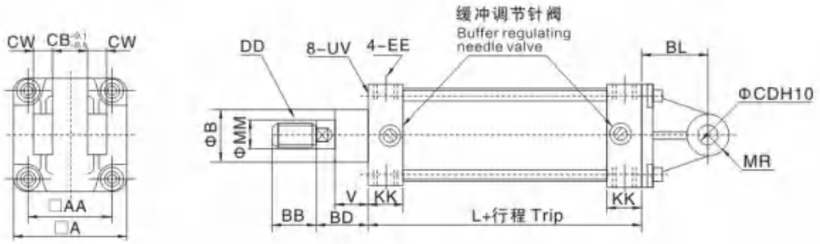
缸径(mm) Cylinder	A	AA	B	BB	BD	DD	EE	KK	L	MM	UV	V	D	T	TT	U	XN	MG	零件号 Part number
32	40	30	24.5	22	20	M10×1.25	ZG1/8	26	97	12	M5	9	9	44	9.5	60	21.75	4.75	G-TA32
40	53	38	35.5	30	33	M14×1.5	ZG1/4	27	99	16	M6	12	16	65	21	101	22.5	10.5	G-TA40
50	62	47	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M6	15	16	80	24	116	25	12	G-TA50
63	78	58	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M8	15	20	100	24	144	25	12	G-TA63
80	94	75	46.5	40	47	M22×1.5	ZG1/2	34	121	25	M8	18	25	112	30	168	32	15	G-TA80
100	114	89	51.5	40	64	M27×1.5	ZG1/2	36	132	30	M10	20	25	136	38	203	45	19	G-TA100
125	140	110	60	54	65	M27×2	ZG1/2	46	160	32	M12	45	25	160	30	210	50	15	G-TA125
160	180	140	65	72	80	M36×2	G3/4	50	180	40	M16	58	32	200	38	264	61	19	G-TA160
200	220	180	75	72	95	M36×2	G3/4	50	180	40	M16	60	32	250	38	314	73	22	G-TA200
250	270	225	90	84	105	M42×2	G3/4	52	200	50	M20	67	40	320	60	400	75	30	G-TA250
320	340	280	110	96	120	M48×2	G3/4	58	220	63	M24	82	50	400	70	500	85	35	G-TA320
400	430	350	125	100	180	M56×4	G3/4	58	260	90	M30	110	90	500	110	640	125	35	G-TA400

CA单耳座型



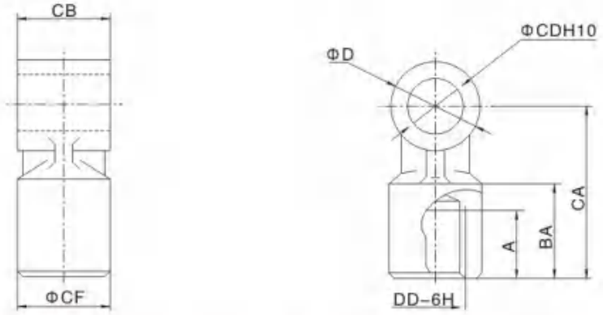
缸径(mm) Cylinder	A	AA	B	BB	BD	DD	EE	KK	L	MM	UV	V	BL	CD	EW	MR	零件号 Part number
32	40	30	24.5	22	20	M10×1.25	ZG1/8	26	97	12	M5	9	23	10	9	10	G-CA32
40	53	38	35.5	30	33	M14×1.5	ZG1/4	27	99	16	M6	12	38	10	15	10	G-CA40
50	62	47	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M6	15	37	12	18	11.5	G-CA50
63	78	58	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M8	15	47	16	25	14.5	G-CA63
80	94	75	46.5	40	47	M22×1.5	ZG1/2	34	121	25	M8	18	57	20	31.5	16.5	G-CA80
100	114	89	51.5	40	64	M27×1.5	ZG1/2	36	132	30	M10	20	64	25	35.5	20.5	G-CA100
125	140	110	60	54	65	M27×2	ZG1/2	46	160	32	M12	45	50	25	70	25	G-CA125
160	180	140	65	72	80	M36×2	G3/4	50	180	40	M16	58	55	30	90	30	G-CA160
200	220	180	75	72	95	M36×2	G3/4	50	180	40	M16	60	60	30	90	30	G-CA200
250	270	225	90	84	105	M42×2	G1	52	200	50	M20	67	70	40	110	40	G-CA250
320	340	280	110	96	120	M48×2	G1	58	220	63	M24	82	80	45	120	45	G-CA320
400	430	350	125	100	180	M56×4	G1	58	260	90	M30	110	110	50	120	50	G-CA400

CB双耳座型



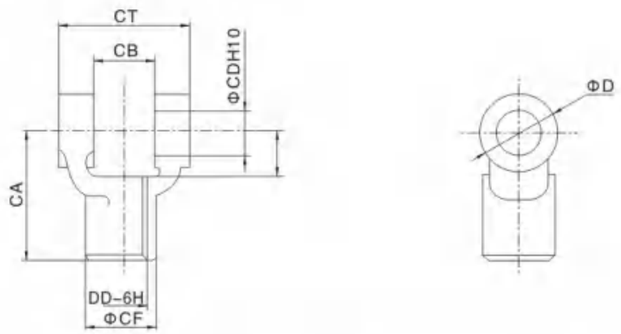
缸径(mm) Cylinder	A	AA	B	BB	BD	DD	EE	KK	L	MM	UV	V	BL	CB	CD	CW	MR	零件号 Part number
32	40	30	24.5	22	20	M10×1.25	ZG1/8	26	97	12	M5	9	23	9	10	5	10	G-CB32
40	53	38	35.5	30	33	M14×1.5	ZG1/4	27	99	16	M6	12	38	15	10	7.5	10	G-CB40
50	62	47	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M6	15	37	18	12	9	11.5	G-CB50
63	78	58	40.5	35	37	M18×1.5	ZG3/8	27	101	20	M8	15	47	25	16	12.5	14.5	G-CB63
80	94	75	46.5	40	47	M22×1.5	ZG1/2	34	121	25	M8	18	57	31.5	20	15	16.5	G-CB80
100	114	89	51.5	40	64	M27×1.5	ZG1/2	36	132	30	M10	20	64	35.5	25	18	20.5	G-CB100
125	140	110	60	54	65	M27×2	ZG1/2	46	160	32	M12	45	50	70	25	25	25	G-CB125
160	180	140	65	72	80	M36×2	G3/4	50	180	40	M16	58	55	90	30	35	30	G-CB160
200	220	180	75	72	95	M36×2	G3/4	50	180	40	M16	60	60	90	30	35	30	G-CB200
250	270	225	90	84	105	M42×2	G1	52	200	50	M20	67	70	110	40	40	40	G-CB250
320	340	280	110	96	120	M48×2	G1	58	220	63	M24	82	80	120	45	50	45	G-CB320
400	430	350	125	100	180	M56×4	G1	58	260	90	M30	110	110	120	50	60	50	G-CB400

I型单肘□接头 Type I single elbow □ joint



缸径(mm) Cylinder	A	BA	CA	CB	CD	CF	D	DD	零件号 Part number
40	15	20	37	15	10	21	20	M14×1.5	G-I 40
50	18	23	44	18	12	25	22	M18×1.5	G-I 50
63	22	27	49	25	16	28	28	M18×1.5	G-I 63
80	25	32	58	31.5	20	32	32	M22×1.5	G-I 80
100	25	32	59	35.5	25	38	39	M27×1.5	G-I 100
125	28	37	68	45	25	39	39	M27×2	G-I 125
160	36	48	86	58	30	50	46	M36×2	G-I 160
200	36	55	105	58	30	52	48	M36×2	G-I 200
250	48	65	125	63	40	58	64	M42×2	G-I 250
320	55	75	150	80	45	68	72	M48×2	G-I 320
400	65	82	175	90	50	78	80	M56×4	G-I 400

Y型双肘□接头 Y-shaped double elbow □ joint



缸径(mm) Cylinder	CA	CB	CC	CD	CF	CT	D	DD	零件号 Part number
40	37	15	15	10	21	30	20	M14×1.5	G-Y 40
50	44	18	16	12	25	36	22	M18×1.5	G-Y 50
63	49	25	18	16	28	50	28	M18×1.5	G-Y 63
80	58	31.5	22	20	32	63	32	M22×1.5	G-Y 80
100	59	31.5	25	25	38	71	39	M27×1.5	G-Y 100
125	68	45	27	25	39	90	39	M27×2	G-Y 125
160	86	58	31	30	50	116	46	M36×2	G-Y 160
200	105	58	32	30	52	116	48	M36×2	G-Y 200
250	125	63	40	Y40	58	126	64	M42×2	G-Y 250
320	150	80	44	45	68	160	72	M48×2	G-Y 320
400	175	90	50	50	78	180	80	M56×4	G-Y 400



标准规格/Specification

内径(mm) Bore size		16	20	25	32	40	50	63
动作型式 Action type	MSA\MTA	单动型Single acting					-	
	MAR	-	复动型Double acting					
	MA\MAD\MAJ	复动型Double acting					-	
	MAC\MACD\MACJ	复动缓冲型Double acting with cushion type						
工作介质Working medium		空气Air						
使用压力范围 Operating pressure	复动型Double acting	0.15~1.0MPa(22~145Psi)						
	单动型Single acting	0.2~1.0MPa(28~145Psi)						
保证耐压力Proof pressure		1.5MPa(215Psi)						
使用温度范围Operating temperature range℃		-20~70						
使用速度范围Speed range(mm/s)		复动型Double acting：30~800mm/s 单动型Single acting：50~800mm/s						
行程公差范围Stroke tolerance		$0\sim150^{+1.0}_{0}$ $>150^{+1.5}_{0}$						
缓冲型式Cushion type		MAC,MACD,MACJ系列Series:可调式缓冲Adjustable cushion;其它系列 Other series:胶缓垫Bumper						
*接管口径Port size		M5×0.8	PT1/8				PT1/4	

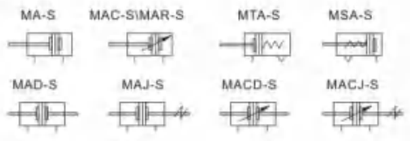
*接管牙型有NPT、G牙可供选择。PT,NPT,G thread are available.

行程/Stroke

内径(mm) Bore size			标准行程(mm)Standard stroke	最大行程 Max. stroke	备选行程 Max.stroke
MA	MAC MAR	16	10 15 20 25 30 40 50 60 75 80 100 125 150 160 175 200 250 300 350 400 500	500	600
		20		500	800
		25		500	800
		32		500	800
		40		500	800
		50		500	800
		63		500	800
MAD MAJ	-	16	10 15 20 25 30 40 50 60 75 80 100 125 150 160 175 200 250 300	300	-
	MACD MACJ	20		300	-
		25		300	-
		32	10 15 20 25 30 40 50 60 75 80 100 125 150 160 175 200 250 300 350 400 500	500	-
		40		500	-
		50		500	-
		63		500	-
MSA		16	10 15 20 25 30 40 50 60 75 80 100	-	-
		20	10 15 20 25 30 40 50 60 75 80 100 125 150	-	-
		25		-	-
		32		-	-
		40		-	-
MTA		16	10 15 20 25 30 40 50 60 75 80 100	-	-
		20		-	-
		25		-	-
		32		-	-
		40		-	-

注：其它特殊行程请与本公司联系。Note: Contact us for non-standard stroke.

符号/Symbol



订购码/Ordering code

MA — 20 × 50 — S — CM — □ — □

- 型号 Model：MA：复动型Double acting；MAC：复动可调缓冲型Double acting with cushion；MSA：单动押出型Single acting-push；MTA：单动引入型Single acting-pull
- 缸径 Bore size
- 行程 Stroke
- 磁石代号 Magnet Code：S：附磁石 S:With magnet
- 后盖型式 Cover form：CA：摆尾型Pivot type；CM：圆尾型Round-end type；U：平尾型Flat-end type
- 固定型式 Mounting type：空白Blank：无安装附件No Installation Accessories；FA：前法兰连接板Front cover flange connecting plate；SDB：后铰固定架Rear hinge mount；LB：轴向固定架Axial fixation
- 牙型代码 Thread type：空白Blank：PT牙Thread；T：NPT牙Thread；G：G牙Thread

MAD / MAJ — 20 × 50 — 20 — S — □ — □

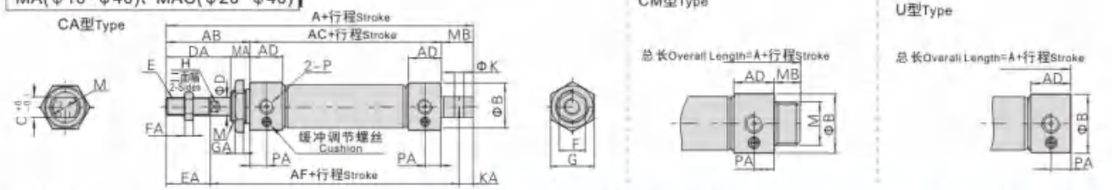
- 型号 Model：MAD：双轴复动型Double rod type；MAJ：双轴复动行程可调型Double acting with adjustable stroke；MACD：双轴复动缓冲型Double acting with cushion；MACJ：双轴复动行程可调缓冲型Double acting stroke adjustable with cushion
- 缸径 Bore size
- 行程 Stroke
- 调整行程 Adjustable Stroke：10：10mm；20：20mm；30：30mm；40：40mm；50：50mm；75：75mm；100：100mm
- 磁石代号 Magnet：S：附磁石 S:With magnet
- 固定型式 Mounting type：空白Blank：无安装附件No Installation Accessories；FA：前法兰连接板Front cover flange connecting plate；LB：轴向固定架Axial fixation
- 牙型代码 Thread type：空白Blank：PT牙Thread；T：NPT牙Thread；G：G牙Thread

MAR — U — 20 × 50 — S — □

- 型号 Model：MAR：复动缓冲型 Double acting with cushion
- 前盖型式 Front cover：F：前方固定型Front mounting type；U：上方固定型Up mounting type
- 缸径 Bore size
- 行程 Stroke
- 磁石代号 Magnet：S：附磁石 S:With magnet
- 牙型代码 Thread type：空白Blank：PT牙Thread；T：NPT牙Thread；G：G牙Thread

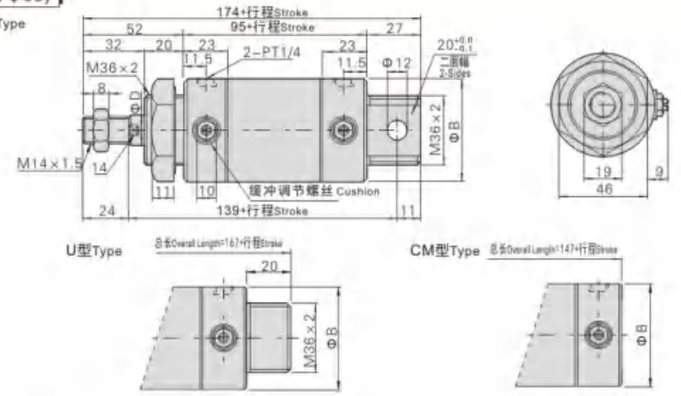
外形尺寸图(毫米)/Dimensions(mm)

MA(φ16~φ40)、MAC(φ20~φ40)



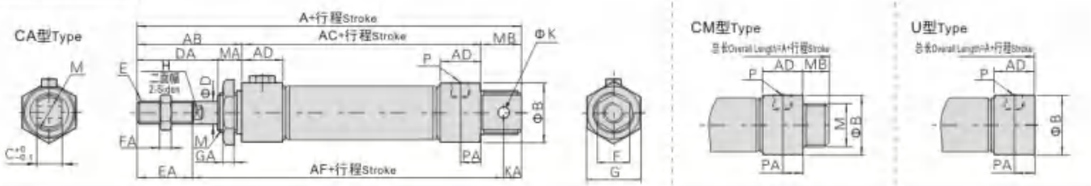
缸径/符号 Bore size / Item	A			AB	AC	AD	AF	B	C	D	DA	E	P	F	FA	G	GA	H	K	KA	M	MA	MB		P	PA
后盖形式Back cover	CA	CM	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CA	CM	-	-
缸径/行程 Bore size/stroke																											
16	114	114	98	38	60	12.5	91	21	12	6	22	M6×1.0	16	10	5	22	6	5	6	7	M16×1.5	16	16	16	M5×0.8	7.5
20	137	128	116	40	76	16	108	27	16	8	28	M8×1.25	20	12	6	29	7	6	8	9	M22×1.5	12	21	12	PT1/8	8
25	141	134	120	44	76	16	110	30	16	10	30	M10×1.25	22	17	6	29	7	8	8	9	M22×1.5	14	21	14	PT1/8	8
32	147	134	120	44	76	16	113	35	16	12	30	M10×1.25	22	17	6	32	8	10	10	12	M24×2.0	14	27	14	PT1/8	8
40	149	136	122	46	76	16.5	113	41.5	20	16	32	M12×1.25	24	17	7	41	8	14	12	12	M30×2.0	14	27	14	PT1/8	8

MAC(φ50、φ63)



缸径/符号 Bore size/Item	B	D
50	53	16
63	67	16

MSA(φ16~φ40)

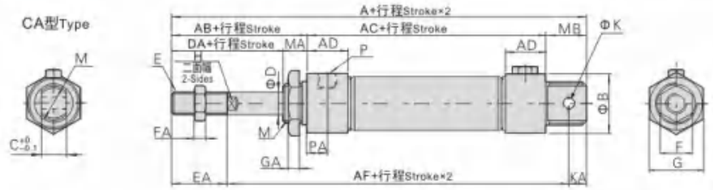


符号Item	A									AB	AC			AD	AF		
后盖形式Back cover	CA			CM			CM			-	-			-	-		
缸径/行程 Bore size/stroke	≤50	51-100	≥101	≤50	51-100	≥101	≤50	51-100	≥101	-	≤50	51-100	≥101	-	≤50	51-100	≥101
16	139	164	-	139	164	-	123	148	-	38	85	110	-	12.5	116	141	-
20	162	187	212	153	178	203	141	166	191	40	101	126	151	16	133	158	183
25	166	191	216	159	184	209	145	170	195	44	101	126	151	16	135	160	185
32	172	197	222	159	184	209	145	170	195	44	101	126	151	16	138	163	188
40	174	199	224	161	186	211	147	172	197	46	101	126	151	16.5	138	163	188

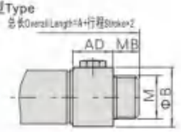
符号Item	B	C	D	DA	E	EA	F	FA	G	GA	H	K	KA	M	MA	MB		P	PA
缸径/行程 Bore size/stroke																CA	CM		
16	21	12	6	22	M6×1.0	16	10	5	22	6	5	6	7	M16×1.5	16	16	16	M5×0.8	7.5
20	27	16	8	28	M8×1.25	20	12	6	29	7	6	8	9	M22×1.5	12	21	12	PT1/8	8
25	30	16	10	30	M10×1.25	22	17	6	29	7	8	8	9	M22×1.5	14	21	14	PT1/8	8
32	35	16	12	30	M10×1.25	22	17	6	32	8	10	10	12	M24×2.0	14	27	14	PT1/8	8
40	41.5	20	16	32	M12×1.25	24	17	7	41	8	14	12	12	M30×2.0	14	27	14	PT1/8	9

MTA(φ16~φ40)

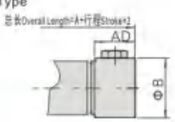
CA型Type



CM型Type



U型Type

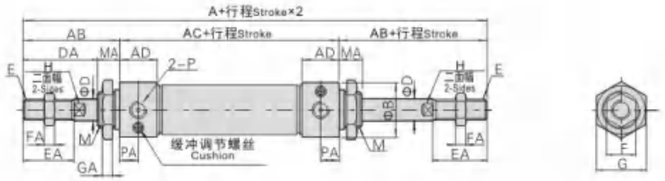


符号Item	A								AC				AF			
后盖形式Back cover	CA				CM				U				-			
缸径/行程 Bore size/stroke	≤25	≤50	≤75	≤100	≤25	≤50	≤75	≤100	≤25	≤50	≤75	≤100	≤25	≤50	≤75	≤100	≤25	≤50	≤75	≤100
16	129	139	154	164	129	139	154	164	113	123	138	148	75	85	100	110	106	116	131	141
20	152	162	177	187	143	153	168	178	131	141	156	166	91	101	116	126	123	133	148	158
25	156	166	181	191	149	159	174	184	135	145	160	170	91	101	116	126	125	135	150	160
32	162	172	192	202	149	159	179	189	135	145	165	175	91	101	121	131	128	138	158	168
40	164	174	194	204	151	161	181	191	137	147	167	177	91	101	121	131	128	138	158	168

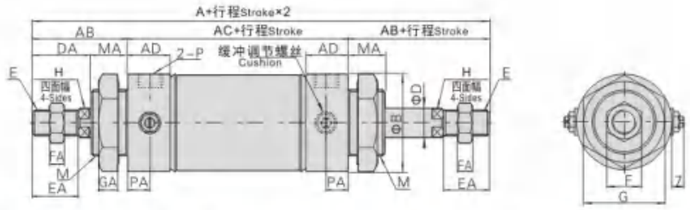
符号Item 缸径/行程 Bore size/stroke	AB	AD	B	C	D	DA	E	EA	F	FA	G	GA	H	K	KA	M	MA	MB CA	MB CM	P	PA
16	38	12.5	21	12	6	22	M6×1.0	16	10	5	22	6	5	6	7	M16×1.5	16	16	16	M5×0.8	7.5
20	40	16	27	16	8	28	M8×1.25	20	12	6	29	7	6	8	9	M22×1.5	12	21	12	PT1/8	8
25	44	16	30	16	10	30	M10×1.25	22	17	6	29	7	8	8	9	M22×1.5	14	21	14	PT1/8	8
32	44	16	35	16	12	30	M10×1.25	22	17	6	32	8	10	10	12	M24×2.0	14	27	14	PT1/8	8
40	46	16.5	41.5	20	16	32	M12×1.25	24	17	7	41	8	14	12	12	M30×2.0	14	27	14	PT1/8	9

MAD、MACD

Φ16~Φ40



Φ50/Φ63



缸径/符号 Bore size/Symbol	A	AB	AC	AD	B	D	DA	E	EA	F	FA	G	GA	H	M	MA	P	PA
16	136	38	60	12.5	21	6	22	M6×1.0	16	10	5	22	6	5	M16×1.5	16	M5×0.8	7.5
20	156	40	76	16	27	8	28	M8×1.25	20	12	6	29	7	6	M22×1.5	12	PT1/8	8
25	164	44	76	16	30	10	30	M10×1.25	22	17	6	29	7	8	M22×1.5	14	PT1/8	8
32	164	44	76	16	35	12	30	M10×1.25	22	17	6	32	8	10	M24×2.0	14	PT1/8	8
40	168	46	76	16.5	41.5	16	32	M12×1.25	24	17	7	41	8	14	M30×2.0	14	PT1/8	9
50	199	52	95	23	53	16	32	M14×1.5	24	19	8	46	11	14	M36×2.0	20	PT1/4	11.5
63	199	52	95	23	67	16	32	M14×1.5	24	19	8	46	11	14	M36×2.0	20	PT1/4	11.5

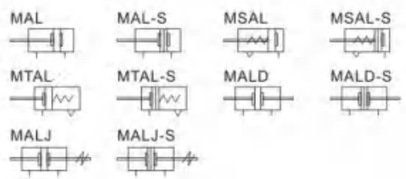


标准规格/Standard Specification

内径Bore size(mm)		20	25	32	40
动作型式 Action type	MSAL、MTAL	单动型 Single acting			
	其它系列Other series	复动型 Double acting			
工作介质Working medium		空气(经40μm以上滤网过滤)Air (to be filtered by 40μm filter element)			
使用压力范围 Operating pressure	复动型Double acting	0.15~1.0MPa(22~145Psi)			
	单动型Single acting	0.2~1.0MPa(28~145Psi)			
保证耐压力 Proof pressure		1.5MPa(215Psi)			
使用温度范围 Temperature ℃		-20~70			
使用速度范围 Speed range(mm/s)		单动型Single acting：50~800mm/s 复动型Double acting：30~800mm/s			
行程公差范围 Stroke tolerance		0~150 $^{+1.0}_{0}$ >150 $^{+1.5}_{0}$			
缓冲型式Cushion type		防撞垫 Bumper			
*接管口径Port size		PT1/8			PT1/4

*接管牙型有PT, NPT,G牙可供选择. PT, NPT, G thread are available.

符号/Symbol



行程/Stroke

系列 Series	内径 Bore size (mm)	标准行程 Standard stroke	最大行程 Max. stdstroke	容许行程 Max.stroke
MAL	20	10 15 20 25 30 40 50 60 75 80 100 125 150 160 175 200 250 300 350 400 450 500	500	1000
	25		500	1000
	32		500	1500
	40		500	1500
MALD MALJ	20	10 15 20 25 30 40 50 60 75 80 100 125 150 160 175 200 250 300	300	-
	25		300	-
	32	10 15 20 25 30 40 50 60 75 80 100 125 150 160 175 200 250 300 350 400 450 500	500	-
	40		500	-
MSAL	20	10 15 20 25 30 40 50 60 75 80 100 125 150	-	-
	25		-	-
	32		-	-
	40		-	-
MTAL	20	10 15 20 25 30 40 50 60 75 80 100	-	-
	25		-	-
	32		-	-
	40		-	-

注：其它特殊行程请与本公司联系。Note: Contact us for non-standard stroke.

订购码/Ordering code

MAL — 20 缸径 Bore size × 50 行程 Stroke — S 磁石代号 Magnet — CM 后盖型式 Cover form — □ 固定型式 Mounting type — □ 牙型代码 Thread type

型号Model
MAL: 复动型 Double acting type
MSAL: 单动押出型 Single-acting push type
MTAL: 单动引入型 Single-acting pull type

磁石代号 Magnet
S:附磁石With magnet
空白Blank:不附磁石Without magnet

后盖型式 Cover form
CA：摆尾型Pivot type
CM：圆尾型Round-end type
U：平尾型Flat-end type

固定型式 Mounting type
空白Blank：无安装附件 No Installation Accessories
FA: 前法兰连接板 Front cover flange connecting plate
SDB: 后铰固定架 Rear hinge mount
LB: 轴向固定架 Axial fixation

牙型代码 Thread type
空白Blank：PT牙Thread
T：NPT牙Thread
G：G牙Thread

MALD / MALJ — 20 缸径 Bore size × 50 行程 Stroke — 20 调整行程 Stroke adjustment — S 磁石代号 Magnet — □ 固定型式 Mounting type — □ 牙型代码 Thread type

型号Model
MALD: 双轴复动型 Double rod type
MALJ: 双轴复动行程可调型 Double acting with adjustable stroke

调整行程 Stroke adjustment
10：10mm
20：20mm
30：30mm
40：40mm
50：50mm
75：75mm
100：100mm

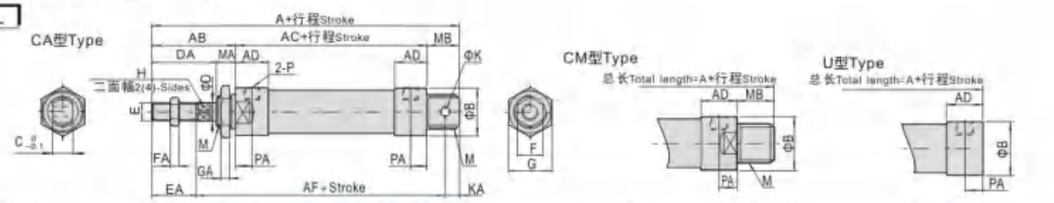
磁石代号 Magnet
S：附磁石With magnet
空白：不附磁石
Blank: Without magnet

固定型式 Mounting type
空白Blank：无安装附件 No Installation Accessories
FA：前法兰连接板 Front cover flange connecting plate
LB：轴向固定架 Axial fixation

牙型代码 Thread type
空白Blank：PT牙Thread
T：NPT牙Thread
G：G牙Thread

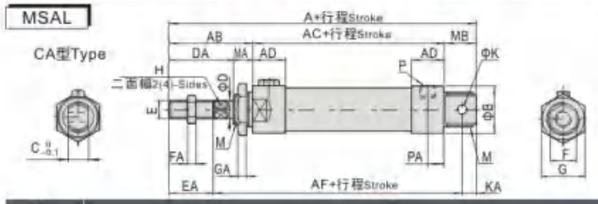
外形尺寸图(毫米)/Dimensions(mm)

MAL



缸径/符号 Bore size / Item	A			AB	AC	AD	AF	B	C	D	DA	M	MA	MB		E	EA	F	FA	G	GA	H	K	KA	P	PA
后盖形式 Back cover	CA	CM	U											CA	CM											
20	131	122	110	40	70	16	102	29	16	8	28	M22×1.5	12	21	12	M8×1.25	20	12	6	29	7	6	8	9	1/8"	8
25	135	128	114	44	70	16	104	34	16	10	30	M22×1.5	14	21	14	M10×1.25	22	17	6	29	7	8	8	9	1/8"	8
32	141	128	114	44	70	16	107	39.5	16	12	30	M24×2.0	14	27	14	M10×1.25	22	17	6	32	8	10	10	12	1/8"	8
40	165	152	138	46	92	22	129	49.5	20	16	32	M30×2.0	14	27	14	M12×1.25	24	17	7	41	9	14	12	12	1/4"	11

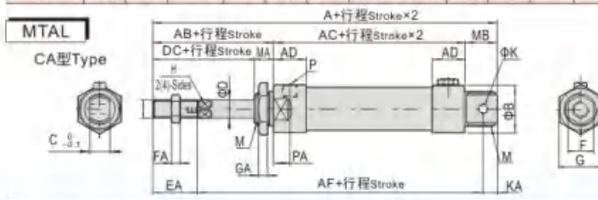
MSAL



缸径/符号 Bore size / Item	A												AC			AF		
后盖形式 Back cover	CA			CM			U											
基型行程 Basic style Stroke	0~50	51~100	≥101	0~50	51~100	≥101	0~50	51~100	≥101	0~50	51~100	≥101	0~50	51~100	≥101	0~50	51~100	≥101
20	156	181	206	147	172	197	135	160	185	95	120	145	127	152	177			
25	160	185	210	153	178	203	139	164	189	95	120	145	129	154	179			
32	166	191	216	153	178	203	139	164	189	95	120	145	132	157	182			
40	190	215	240	177	202	227	163	188	213	117	142	167	154	179	204			

缸径/符号 Bore size / Item	AB	AD	B	C	D	DA	E	EA	F	FA	G	GA	H	K	KA	M	MA	MB		P	PA
																		CA	CM		
20	40	16	29	16	8	28	M8×1.25	20	12	6	29	7	6	8	9	M22×1.5	12	21	12	1/8"	8
25	44	16	34	16	10	30	M10×1.25	22	17	6	29	7	8	8	9	M22×1.5	14	21	14	1/8"	8
32	44	16	39.5	16	12	30	M10×1.25	22	17	6	32	8	10	10	12	M24×2.0	14	27	14	1/8"	8
40	46	22	49.5	20	16	32	M12×1.25	24	17	7	41	9	14	12	12	M30×2.0	14	27	14	1/4"	11

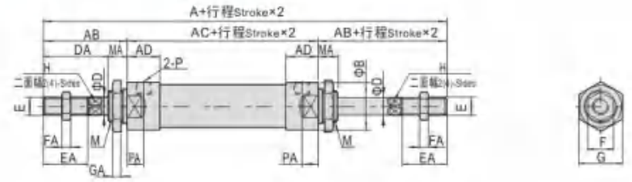
MTAL



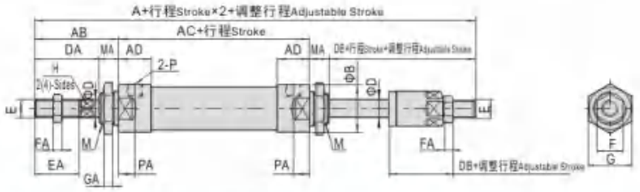
缸径/符号 Bore size / Item	A																AB	AC				AD
后盖形式 Back cover	CA				CM				U													
基型行程 Basic style Stroke	0~25	26~50	51~75	76~100	0~25	26~50	51~75	76~100	0~25	26~50	51~75	76~100						0~25	26~50	51~75	76~100	
20	146	156	171	181	137	147	162	172	125	135	150	160					40	85	95	110	120	16
25	150	160	175	185	143	153	168	178	129	139	154	164					44	85	95	110	120	16
32	156	166	186	196	143	153	173	183	129	139	159	169					44	85	95	115	125	16
40	180	190	210	220	167	177	197	207	153	163	183	193					46	107	117	137	147	22

缸径/符号 Bore size / Item	AF				B	C	D	DA	E	EA	F	FA	G	GA	H	K	KA	M	MA	MB		P	PA
基型行程 Basic style Stroke	0~25	26~50	51~75	76~100																CA	CM		
20	117	127	142	152	29	16	8	28	M8×1.25	20	12	6	29	7	6	8	9	M22×1.5	12	21	12	1/8"	8
25	121	131	146	156	34	16	10	30	M10×1.25	22	17	6	29	7	8	8	9	M22×1.5	14	21	14	1/8"	8
32	122	132	152	162	39.5	16	12	30	M10×1.25	22	17	6	32	8	10	10	12	M24×2.0	14	27	14	1/8"	8
40	144	154	174	184	49.5	20	16	32	M12×1.25	24	17	7	41	9	14	12	12	M30×2.0	14	27	14	1/4"	11

MALD



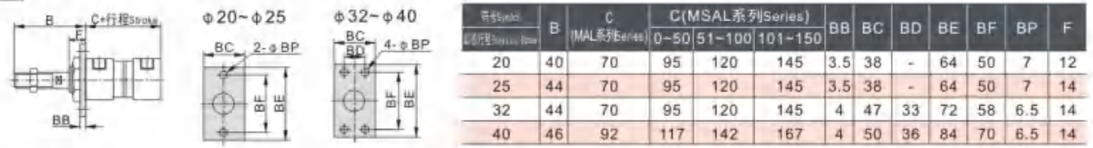
MALJ



缸径/符号 Bore size / Item	A		AB	AC	AD	B	D	DA	DB	E	EA	F	FA	G	GA	H	M	MA	P	PA
型号 Model	MALD	MALJ																		
20	150	147	40	70	16	29	8	28	25	M8×1.25	20	12	6	29	7	6	M22×1.5	12	1/8"	8
25	158	155	44	70	16	34	10	30	27	M10×1.25	22	17	6	29	7	8	M22×1.5	14	1/8"	8
32	158	155	44	70	16	39.5	12	30	27	M10×1.25	22	17	6	32	8	10	M24×2.0	14	1/8"	8
40	184	180	46	92	22	49.5	16	32	28	M12×1.25	24	17	7	41	9	14	M30×2.0	14	1/4"	11

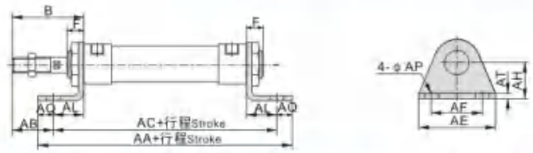
附件外部规格/Accessories Dimensios

FA



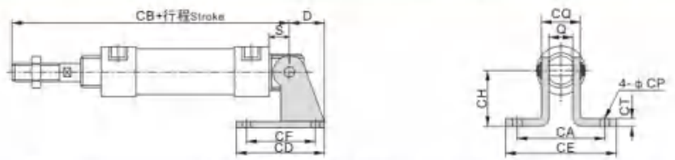
符号Symbol 缸径行程 Bore size / Stroke	B	C (MAL系列Series)	C(MSAL系列Series) 0~50	51~100	101~150	BB	BC	BD	BE	BF	BP	F
20	40	70	95	120	145	3.5	38	-	64	50	7	12
25	44	70	95	120	145	3.5	38	-	64	50	7	14
32	44	70	95	120	145	4	47	33	72	58	6.5	14
40	46	92	117	142	167	4	50	36	84	70	6.5	14

LB



符号Symbol 缸径行程 Bore size / Stroke	B	F	AA (MAL系列Series)	AA(MSAL系列Series) 0~50	51~100	101~150	AB	AC (MAL系列Series)	AC(MSAL系列Series) 0~50	51~100	101~150	AE	AF	AL	AQ	AP	AT	AH
20	40	12	116	141	166	191	25	100	125	150	175	54	40	15	8	6.5	3	25
25	44	14	116	141	166	191	29	100	125	150	175	54	40	15	8	6.5	3	25
32	44	14	136	161	186	211	19	120	145	170	195	59	45	25	8	7	3.5	32
40	46	14	158	183	208	233	21	142	167	192	217	64	50	25	8	7	3.5	36

SDB



符号Symbol 缸径行程 Bore size / Stroke	D	S	Q	CA	CB (MAL系列Series)	CB(MSAL系列Series) 0~50	51~100	101~150	CD	CE	CF	CH	CT	CP	CQ
20	21	12	16	51	122	147	172	197	48	67	32	32	2.5	7	22
25	21	12	16	51	126	151	176	201	48	67	32	32	2.5	7	22
32	27	15	16	51	129	154	179	204	52	67	36	36	3	7	24
40	27	15	20	55	153	178	203	228	56	71	40	40	3	7	28



标准规格/Specification

内径Bore size(mm)		12	16	20	25	32	40	50	63	80	100
动作方式Action type		复动型 Double acting									
		单动型押出型、单动引入型Single acting_Push type、Single acting_Pull type									—
工作介质Fluid		空气(经40μm以上滤网过滤)Air (to be filtered by 40μm filter element)									
使用压力范围 Operating pressure	复动型Double acting	0.15~1.0MPa(22~145psi)(1.5~10.0bar)									
	单动型Single acting	0.2~1MPa(28~145psi)(2.0~10.0bar)									
保证耐压力 Proof pressure		1.5MPa(215psi)(15bar)									
使用温度范围Temperature ℃		-20~70									
使用速度范围 Speed range(mm/s)	复动型Double acting	30~500									
	单动型Single acting	50~500									
行程公差范围 Stroke tolerance		行程≤100 $^{+1.0}_{0}$ 行程>100 $^{+1.5}_{0}$									
缓冲型式 Cushion type		防撞垫Bumper									
*接管口径 Port size		M5×0.8			PT1/8			PT1/4		PT3/8	

* 接管牙型有PT, NPT,G牙可供选择。PT, NPT, G thread are available.

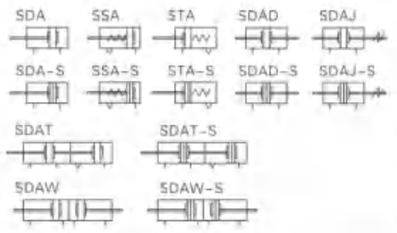
行程/Stroke

内径Bore size(mm)			标准行程Standard stroke(mm)	最大行程 Max. stroke	副行程 Mid stroke
12 16	复动 Double acting	附磁Withmagnet	5 10 15 20 25 30 35 40 45 50 55	50	70
		不附磁Without magnet	5 10 15 20 25 30 35 40 45 50 55 60	60	80
	单动Single acting		5 10 15 20 25 30	30	-
20	复动 Double acting	附磁Withmagnet	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90	90	130
		不附磁Without magnet	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100	100	130
	单动Single acting		5 10 15 20 25 30	30	-
25 32 40 50 63	复动 Double acting	附磁Withmagnet	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 110 120	120	150
		不附磁Without magnet	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 110 120 130	130	150
	单动Single acting		5 10 15 20 25 30	30	-
80 100	复动 Double acting	附磁Withmagnet	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 110 120	120	150
		不附磁Without magnet	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 110 120 130	130	150

注：1、在容许行程范围内，当行程＞最大行程时，作非标处理，其它特殊行程请与本公司联系；
2、最大行程范围内的非标行程以上一级标准行程改制而成，其外形尺寸为上一级标准行程气缸的外形尺寸。如行程为23的非标行程气缸是由标准行程为25的标准气缸改制而成，其外形尺寸与其相同。

Note: 1. Within the allowable itinerary range, when itinerary>maximum itinerary, non-standard treatment will be taken. For other special itineraries, please contact our company; 2. The non-standard stroke within the maximum stroke range is restructured from the upper-level standard stroke, and its outer dimension is the upper-level standard stroke gas The overall dimensions of the cylinder.
For example, the non-standard stroke cylinder with a stroke of 23 is modified from a standard cylinder with a standard stroke of 25, and its external dimensions are the same.

符号/Symbol



订购码/Ordering code

SDA / SDAD / SDAJ [20] × [30] – [30] [S] [B] [ ]

型号 Model
- SDA:超薄型气缸(复动型) Compact cylinder(Double acting)
- SSA:超薄型气缸(单动押出型) Compact cylinder(Single acting-push)
- STA:超薄型气缸(单动引入型) Compact cylinder(Single acting-pull)
- SDAD:超薄型气缸(双轴复动型) Compact cylinder(Double rod)
- SDAJ:超薄型气缸(双轴复动行程可调型) Compact cylinder(Adjustable stroke)

缸径 Bore size

产品规格 Product specifications	缸径 Bore size
SSA/STA	12 16 20 25 32 40 50 63
其他规格 Other specifications	12 16 20 25 32 40 50 63 80 100

行程 Stroke：详见行程列表 Refer tostroke tablefor details

调整行程 Adjustable Stroke（SDAJ）

规格Specification	调整行程Adjustable Stroke
	10：10mm
	20：20mm
	30：30mm
	40：40mm
	50：50mm
	75：75mm
	100：100mm
其它规格Other specifications	无此代码No code

磁石代号 Magnet：S: 附磁石 With magnet；空白Blank: 不附磁石 Without magnet

活塞杆牙型 Piston rod type：空白：内牙型 Blank: Female thread；B：外牙型 B: Male thread

牙型代码 Thread type：空白Blank：PT牙Thread；T：NPT牙Thread；G：G牙Thread

SDAT [20] × [30] × [10] – [S] [B] – [ ]

型号 Model
- SDAT:超薄气缸(复动多位置型) Compact cylinder (Duplex type)
- SDAW:超薄气缸(双轴复动多位置型) Compact cylinder(Duplex-end type)

缸径 Bore size：12 16 20 25 32 / 40 50 63 80 100

行程1 Stroke：详见行程列表 Refer tostroke tablefor details

行程2 Stroke：详见行程列表 Refer tostroke tablefor details

磁石代号 Magnet：S: 附磁石 With magnet；空白Blank: 不附磁石 Without magnet

活塞杆牙型 Piston rod type：空白：内牙型 Blank: Female thread；B：外牙型 B: Male thread

牙型代码 Thread type：空白Blank：PT牙Thread；T：NPT牙Thread；G：G牙Thread

气缸理论出力表/Criteria for selection: Cylinder thrust

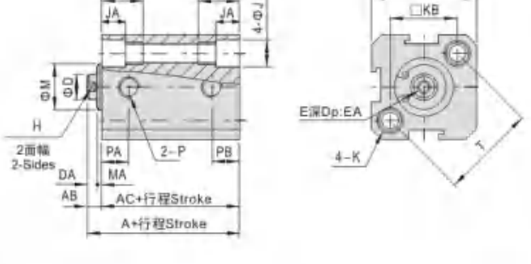
气缸内径 Bore size	活塞杆外径 Rod size	动作方式 Acting type		受压面积 Pressure area (mm²)	空气压力Operating pressure(MPa) 0.1	0.2	0.3	0.4	0.5	0.6	0.7
12	6	单动 Single acting	押出Push side	113.1	–	12.6	23.9	35.2	46.5	57.9	69.2
			引入Pull side	84.8	–	7.0	15.4	23.9	32.4	40.9	49.4
		复动 Double acting	押侧Push side	113.1	–	22.6	33.9	45.2	56.5	67.9	79.2
			拉侧Pull side	84.8	–	17.0	25.4	33.9	42.4	50.9	59.4
16	6	单动 Single acting	押出Push side	201.1	–	20.2	40.3	60.4	80.5	100.6	120.7
			引入Pull side	172.8	–	14.6	31.8	49.1	66.4	83.7	101.0
		复动 Double acting	押侧Push side	201.1	–	40.2	60.3	80.4	100.5	120.6	140.7
			拉侧Pull side	172.8	–	34.6	51.8	69.1	86.4	103.7	121.0
20	8	单动 Single acting	押出Push side	314.2	–	39.8	71.2	102.7	134.1	165.5	196.9
			引入Pull side	263.9	–	29.8	56.2	82.6	108.9	135.3	161.7
		复动 Double acting	押侧Push side	314.2	–	62.8	94.2	125.7	157.1	188.5	219.9
			拉侧Pull side	263.9	–	52.8	79.2	105.6	131.9	158.3	184.7
25	10	单动 Single acting	押出Push side	490.9	–	69.7	118.8	167.8	216.9	266.0	315.1
			引入Pull side	412.3	–	54.0	95.2	136.4	177.7	218.9	260.1
		复动 Double acting	押侧Push side	490.9	–	98.2	147.3	196.3	245.4	294.5	343.6
			拉侧Pull side	412.3	–	82.5	123.7	164.9	206.2	247.4	288.6
32	12	单动 Single acting	押出Push side	804.2	–	105.3	185.8	266.2	346.6	427.0	507.5
			引入Pull side	691.2	–	82.7	151.8	221.0	290.1	359.2	428.3
		复动 Double acting	押侧Push side	804.2	–	160.8	241.3	321.7	402.1	482.5	563.0
			拉侧Pull side	691.2	–	138.2	207.3	276.5	345.6	414.7	483.8

气缸内径 Bore size	活塞杆外径 Rod size	动作方式 Acting type		受压面积 Pressure area (mm²)	空气压力Operating pressure(MPa) 0.1	0.2	0.3	0.4	0.5	0.6	0.7
40	16	单动 Single acting	押出Push side	1256.6	–	168.6	294.3	420.0	545.6	671.3	796.9
			引入Pull side	1055.6	–	128.4	234.0	339.5	445.1	550.6	656.2
		复动 Double acting	押侧Push side	1256.6	125.7	251.3	377.0	502.7	628.3	754.0	879.6
			拉侧Pull side	1055.6	105.6	211.1	316.7	422.2	527.8	633.3	738.9
50	20	单动 Single acting	押出Push side	1963.5	89.3	285.7	482.0	678.4	874.7	1071.1	1267.4
			引入Pull side	1649.3	57.9	222.9	387.8	552.7	717.7	882.6	1047.5
		复动 Double acting	押侧Push side	1963.5	196.3	392.7	589.0	785.4	981.7	1178.1	1374.4
			拉侧Pull side	1649.3	164.9	329.9	494.8	659.7	824.7	989.6	1154.4
63	20	单动 Single acting	押出Push side	3117.2	135.7	447.4	759.2	1070.9	1382.6	1694.3	2006.1
			引入Pull side	2803.1	104.3	384.6	664.9	945.2	1225.5	1505.9	1786.2
		复动 Double acting	押侧Push side	3117.2	311.7	623.4	935.2	1246.9	1558.6	1870.3	2182.1
			拉侧Pull side	2803.1	280.3	560.6	840.9	1121.2	1401.5	1681.9	1962.2
80	25	复动 Double acting	押侧Push side	5026.5	502.7	1005.3	1508.0	2010.6	2513.3	3015.9	3518.6
			拉侧Pull side	4535.7	453.6	907.1	1360.7	1814.3	2267.8	2721.4	3175.0
100	32	复动 Double acting	押侧Push side	7854.0	785.4	1570.8	2356.2	3141.6	3927.0	4712.4	5497.8
			拉侧Pull side	7049.7	705.0	1409.9	2114.9	2819.9	3524.9	4229.8	4934.8

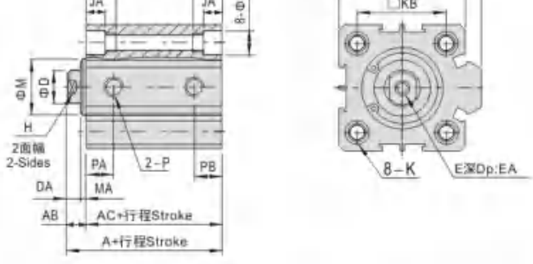
外形尺寸图(毫米)/Dimensions (mm)

SDA

Φ12~Φ16



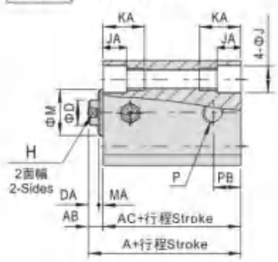
Φ20~Φ100

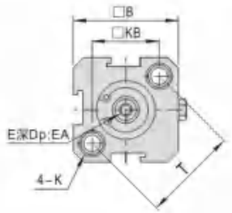


缸径/符号 Bore size \ Item	标准型Standard A	标准型Standard AC	附磁型With magnet A	附磁型With magnet AC	AB	B	BA	D	DA	E	EA	H	J	JA
12	22	17	32	27	5	25	-	6	4	M3×0.5	6	5	6.5	4.5
16	24	18.5	34	28.5	5.5	29	-	6	4	M3×0.5	6	5	6.5	4.5
20	25	19.5	35	29.5	5.5	34	36	8	4	M4×0.7	8	6	6.5	4.5
25	27	21	37	31	6	40	42	10	4	M5×0.8	10	8	8.2	5.5
32	31.5	24.5	41.5	34.5	7	44	50	12	4.5	M6×1.0	12	10	8.2	5.5
40	33	26	43	36	7	52	58.5	16	4	M8×1.25	12	14	10.5	6.5
50	37	28	47	38	9	62	71.5	20	5	M10×1.5	15	17	10.5	6.5
63	41	32	51	42	9	75	84.5	20	5	M10×1.5	15	17	10.5	6.5
80	52	41	62	51	11	94	104	25	6	M14×1.5	20	22	17	11
100	63	51	73	61	12	114	124	32	7	M18×1.5	20	27	19	13

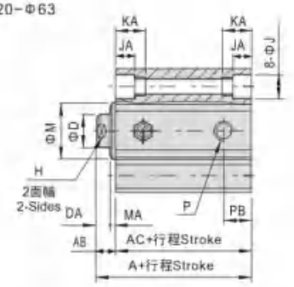
缸径/符号 Bore size \ Item	K	KA	KB	M	MA	P	PA St=5	PA St>5	PB St=5	PB St>5	T
12	M5×0.8通孔Through hole:Φ4.2	12	16.3	10.2	1	M5×0.8	7.5	7.5	5	5	23
16	M5×0.8通孔Through hole:Φ4.2	12	19.8	11	1.5	M5×0.8	8	8	5	5.5	28
20	M5×0.8通孔Through hole:Φ4.2	14	24	13	1.5	M5×0.8	8	9	5	5.5	-
25	M6×1.0通孔Through hole:Φ5.2	15	28	17	2	M5×0.8	9	9	5.5	5.5	-
32	M6×1.0通孔Through hole:Φ5.2	16	34	22	2.5	1/8"	9	9	6.5	9	-
40	M8×1.25通孔Through hole:Φ6.7	20	40	26	3	1/8"	9.5	9.5	7.5	7.5	-
50	M8×1.25通孔Through hole:Φ6.7	25	48	38	4	1/4"	8	10.5	8	10.5	-
63	M8×1.25通孔Through hole:Φ6.7	25	60	40	4	1/4"	9.5	12	9.5	11	-
80	M12×1.75通孔Through hole:Φ10.4	25	74	45	5	3/8"	11.5	14.5	11.5	14.5	-
100	M14×2.0通孔Through hole:Φ12.4	30	90	55	5	3/8"	16	20.5	16	20.5	-

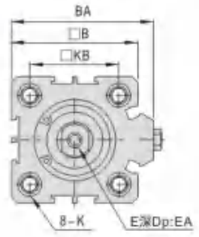
SSA Φ12~Φ16



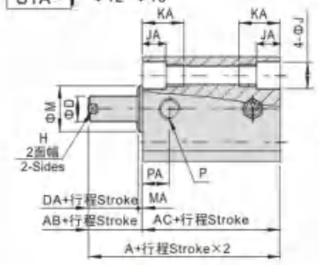


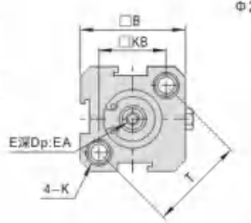
Φ20~Φ63



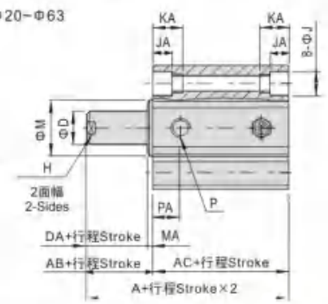


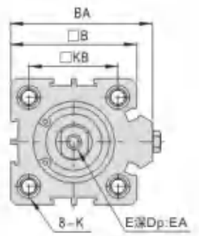
STA Φ12~Φ16





Φ20~Φ63



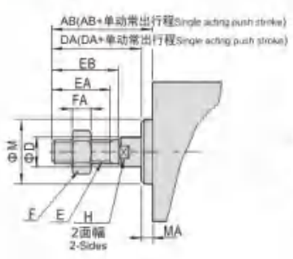


型式Type / 缸径符号Bore size \ Item	标准型Standard A St≤10	标准型Standard A St>10	标准型Standard AC St≤10	标准型Standard AC St>10	附磁型With magnet A St≤10	附磁型With magnet A St>10	附磁型With magnet AC St≤10	附磁型With magnet AC St>10	AB	B	BA	D	DA	E	EA
行程Stroke															
12	32	42	27	37	42	52	37	47	5	25	-	6	4	M3×0.5	6
16	34	44	28.5	38.5	44	54	38.5	48.5	5.5	29	-	6	4	M3×0.5	6
20	35	45	29.5	39.5	45	55	39.5	49.5	5.5	34	36	8	4	M4×0.7	8
25	37	47	31	41	47	57	41	51	6	40	42	10	4	M5×0.8	10
32	41.5	51.5	34.5	44.5	51.5	61.5	44.5	54.5	7	44	50	12	4	M6×1.0	12
40	43	53	36	46	53	63	46	56	7	52	58.5	16	4	M8×1.25	12
50	47	57	38	48	57	67	48	58	9	62	71.5	20	5	M10×1.5	15
63	51	61	42	52	61	71	52	62	9	75	84.5	20	5	M10×1.5	15

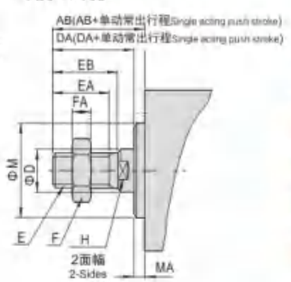
缸径符号Bore size \ Item	H	J	JA	K	KA	KB	M	MA	P	PA	PB	T
12	5	6.5	4.5	M5×0.8通孔Through hole:Φ4.2	12	16.3	10.2	1	M5×0.8	7.5	5	23
16	5	6.5	4.5	M5×0.8通孔Through hole:Φ4.2	12	19.8	11	1.5	M5×0.8	8	5.5	28
20	6	6.5	4.5	M5×0.8通孔Through hole:Φ4.2	14	24	13	1.5	M5×0.8	9	5.5	-
25	8	8.2	5.5	M6×1.0通孔Through hole:Φ5.2	15	28	17	2	M5×0.8	9	5.5	-
32	10	8.2	5.5	M6×1.0通孔Through hole:Φ5.2	16	34	22	2.4	1/8"	9	9	-
40	14	10.5	6.5	M8×1.25通孔Through hole:Φ6.7	20	40	28	3	1/8"	9.5	7.5	-
50	17	10.5	6.5	M8×1.25通孔Through hole:Φ6.7	25	48	38	4	1/4"	10.5	10.5	-
63	17	10.5	6.5	M8×1.25通孔Through hole:Φ6.7	25	60	40	4	1/4"	12	11	-

外牙型尺寸Male thread type size

Φ12~Φ16

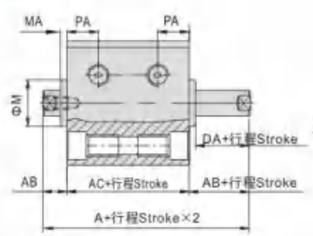


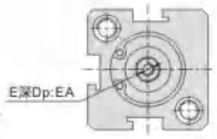
Φ20~Φ100



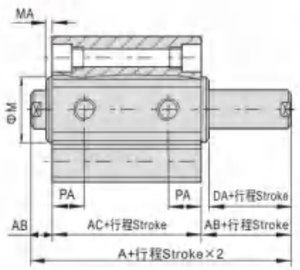
缸径符号Bore size \ Item	AB	D	DA	E	EA	EB	F	FA	H	M	MA SDAD SDAJ	MA 其它 Others
12	17	6	16	M5×0.8	10	12	8	4	5	10.2	1	1
16	17.5	6	16	M5×0.8	10	12	8	4	5	11	1.5	1.5
20	20.5	8	19	M6×1.0	13	15	10	5	6	13	1.5	1.5
25	23	10	21	M8×1.25	15	17	12	6	8	17	2	2
32	25	12	22	M10×1.25	15	18	17	6	10	22	3	2.5
40	35	16	32	M14×1.5	25	28	19	8	14	28	3	3
50	37	20	33	M18×1.5	25	28	27	11	18	38	4	4
63	37	20	33	M18×1.5	25	28	27	11	18	40	4	4
80	44	25	39	M22×1.5	30	33	32	13	22	45	5	5
100	50	32	45	M26×1.5	35	38	36	13	27	55	5	5

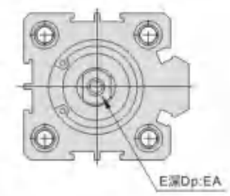
SDAD Φ12~Φ16





Φ20~Φ100

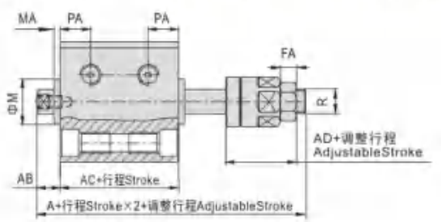


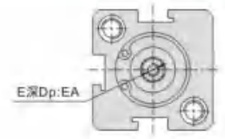


型式Type / 缸径符号Bore size \ Item	标准型Standard A	标准型Standard AC	附磁型With magnet A	附磁型With magnet AC	AB	DA	E	EA St≤10	EA St>10	M	MA	PA St=5	PA St>5
12	27	37	37	27	5	4	M3x0.5	6	6	10.2	1	5.5	6.3
16	29.5	39.5	39.5	28.5	5.5	4	M3x0.5	6	6	11	1.5	6.5	7.3
20	30.5	40.5	40.5	29.5	5.5	4	M4x0.7	8(St=5时6.5)		15	1.5	7.5	7.5
25	33	43	43	31	6	4	M5x0.8	10(St=5时7)		17	2	8	8
32	38.5	48.5	48.5	34.5	7	4	M6x1.0	8	12	22	3	8	9
40	40	50	50	36	7	4	M8x1.25	8	12	28	3	8	10
50	46	56	56	38	9	5	M10x1.5	8	15	38	4	8	10.5
63	50	60	60	42	9	5	M10x1.5	10	15	40	4	9.5	11.8
80	63	73	73	51	11	6	M14x1.5	13	20	45	5	11.5	14.5
100	75	85	85	61	12	7	M18x1.5	18	20	55	5	16	20.5

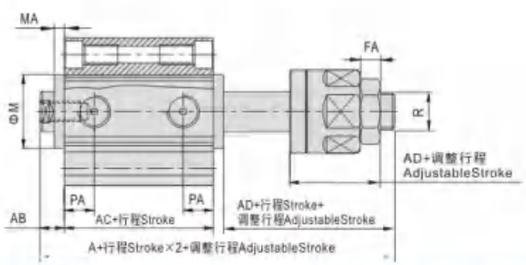
注:未注明之尺寸与标准型相同，外牙尺寸请参考191页。
Note: The unmarked dimensions are the same as the standard one. For the male thread type size, pls refer to the above part of 191 page.

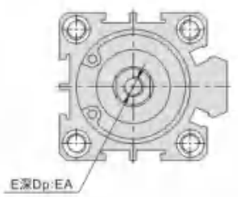
SDAJ Φ12~Φ16





Φ20~Φ100



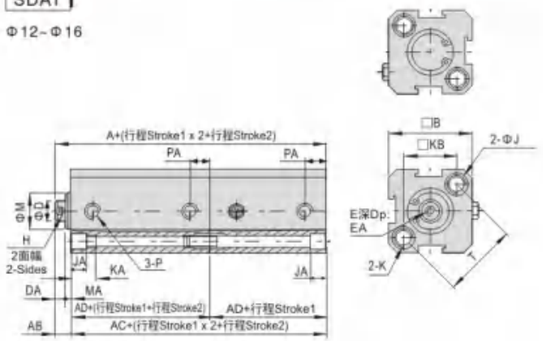


型式Type / 缸径符号Bore size \ Item	标准型Standard A	标准型Standard AC	附磁型With magnet A	附磁型With magnet AC	AB	AD	E	EA St≤10	EA St>10	FA	M	MA	PA St=5	PA St>5	R
12	40	17	50	27	5	17	M3x0.5	6	6	4	10.2	1	5.5	6.3	M5x0.8
16	42.5	18.5	52.5	28.5	5.5	17	M3x0.5	6	6	4	11	1.5	6.5	7.3	M5x0.8
20	47.5	19.5	57.5	29.5	5.5	21	M4x0.7	8(St=5时6.5)		5	15	1.5	7.5	7.5	M6x1.0
25	54	21	64	31	6	25	M5x0.8	10(St=5时7)		6	17	2	8	8	M8x1.25
32	61.5	24.5	71.5	34.5	7	27	M6x1.0	8	12	6	22	3	8	9	M10x1.25
40	64	26	74	36	7	28	M8x1.25	8	12	7	28	3	8	10	M12x1.25
50	70	28	80	38	9	29	M10x1.5	8	15	8	38	4	8	10.5	M16x1.5
63	74	32	84	42	9	29	M10x1.5	10	15	8	40	4	9.5	11.8	M16x1.5
80	92.5	41	102.5	51	11	35.5	M14x1.5	13	20	10	45	5	11.5	14.5	M20x1.5
100	110.5	51	120.5	61	12	42.5	M18x1.5	18	20	13.5	55	5	16	20.5	M27x2.0

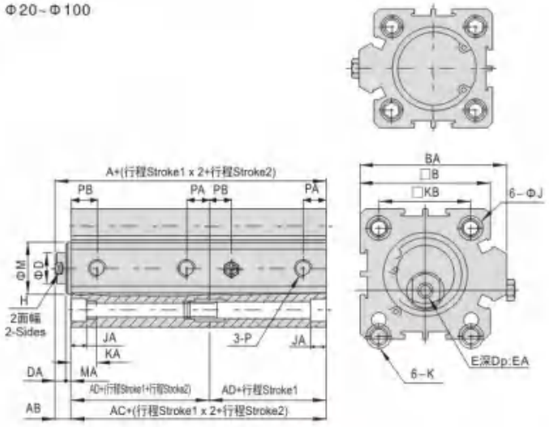
注:未注明之尺寸与标准型相同，外牙尺寸请参考191页。
Note: The unmarked dimensions are the same as the standard one. For the male thread type size, pls refer to the above part of 191 page.

SDAT

Φ12~Φ16

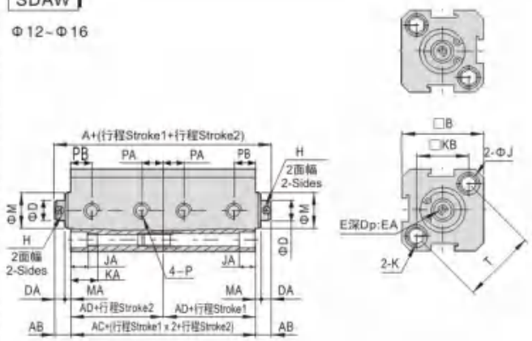


Φ20~Φ100

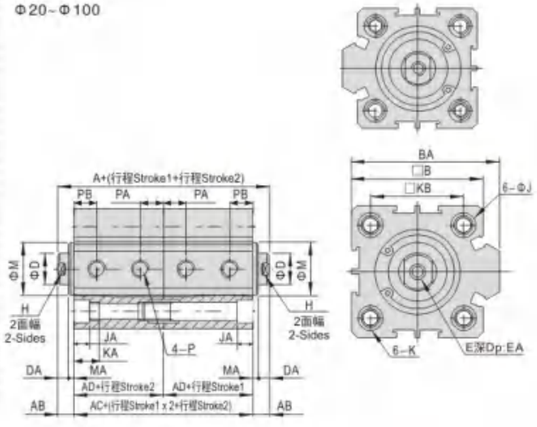


SDAW

Φ12~Φ16



Φ20~Φ100



型式Type	标准型Standard				附磁型With magnet				AB	B	BA	D	DA	E	EA	H
缸径/符号Bore size \ Item	A(SDA)	A(SDAW)	AC	AD	A(SDA)	A(SDAW)	AC	AD								
12	39	44	34	17	59	64	54	27	5	25	-	6	4	M3x0.5	6	5
16	42.5	48	37	18.5	62.5	68	57	28.5	5.5	29	-	6	4	M3x0.5	6	5
20	44.5	50	39	19.5	64.5	70	59	29.5	5.5	34	36	8	4	M4x0.7	8	6
25	48	54	42	21	68	74	62	31	6	40	42	10	4	M5x0.8	10	8
32	56	63	49	24.5	76	83	69	34.5	7	44	50	12	4	M6x1.0	12	10
40	59	66	52	26	79	86	72	36	7	52	58.5	16	4	M8x1.25	12	14
50	65	74	56	28	85	94	76	38	9	62	71.5	20	5	M10x1.5	15	17
63	73	82	64	32	93	102	84	42	9	75	84.5	20	5	M10x1.5	15	17
80	93	104	82	41	113	124	102	51	11	94	104	25	6	M14x1.5	20	22
100	114	126	102	51	134	146	122	61	12	114	124	32	7	M18x1.5	20	27

缸径/符号 Bore size \ Item	J	JA	K	KA	KB	M	MA	P	PA		PB	
									St=5	St>5	St=5	St>5
12	6.5	4.5	M5×0.8通孔Through hole:Φ4.2	12	16.3	10.2	1	M5x0.8	5	5	7.5	7.5
16	6.5	4.5	M5×0.8通孔Through hole:Φ4.2	12	19.8	11	1.5	M5x0.8	5	5.5	8	8
20	6.5	4.5	M5×0.8通孔Through hole:Φ4.2	14	24	13	1.5	M5x0.8	5	5.5	8	8
25	8.2	5.5	M6×1.0通孔Through hole:Φ5.2	15	28	17	2	M5x0.8	5.5	5.5	9	9
32	8.2	5.5	M6×1.0通孔Through hole:Φ5.2	16	34	22	2.5	1/8"	6.5	9	9	9
40	10.5	6.5	M8×1.25通孔Through hole:Φ6.7	20	40	28	3	1/8"	7.5	7.5	9.5	9.5
50	10.5	6.5	M8×1.25通孔Through hole:Φ6.7	25	48	38	4	1/4"	8	10.5	8	10.5
63	10.5	6.5	M8×1.25通孔Through hole:Φ6.7	25	60	40	4	1/4"	9.5	11	9.5	12
80	17	11	M12×1.75通孔Through hole:Φ10.4	25	74	45	5	3/8"	11.5	14.5	11.5	14.5
100	19	13	M14×2.0通孔Through hole:Φ12.4	30	90	55	5	3/8"	16	20.5	16	20.5

注:未注明之尺寸与标准型相同，外牙尺寸请参考191页。
Note: The unmarked dimensions are the same as the standard one. For the male thread type size, pls refer to the above part of 191 page.

MOB、HOB系列液压缸
MOB、HOB Series Hydraulic Cylinder



MOB、HOB:油压缸理论出力表/MOB, HOB: Theoretical output table of hydraulic cylinder

MOB油缸理论出力: kg Theoretical output of MOB cylinder: kg				
缸径 Bore size	活塞杆直径 Piston rod diameter	动作方向 Action direction	受压面积 Pressure area	工作压力 Working pressure (kg/cm²)
32	16	推Push	8.03	562
		拉Pull	6.03	422
40	20	推Push	12.56	880
		拉Pull	9.42	660
50	20	推Push	19.62	1373
		拉Pull	16.48	1150
63	25	推Push	31.16	2180
		拉Pull	26.25	1835
80	32	推Push	50.24	3516
		拉Pull	42.20	2954
100	40	推Push	78.50	5429
		拉Pull	65.94	4616
125	50	推Push	122.66	8586
		拉Pull	103.03	7212
160	60	推Push	200.96	14067
		拉Pull	172.70	12089

HOB油缸理论出力: kg Theoretical output of HOB cylinder: kg				
缸径 Bore size	活塞杆直径 Piston rod diameter	动作方向 Action direction	受压面积 Pressure area	工作压力 Working pressure (kg/cm²)
40	25	推Push	12.5	1758
		拉Pull	7.65	1071
50	30	推Push	19.62	2746
		拉Pull	12.55	1757
63	35	推Push	31.16	4362
		拉Pull	21.54	3015
80	40	推Push	50.24	7034
		拉Pull	37.68	5275
100	50	推Push	78.50	10995
		拉Pull	58.88	8243
125	60	推Push	122.66	17172
		拉Pull	94.40	13216
160	80	推Push	200.96	28134
		拉Pull	150.72	21100
200	100	推Push	314.00	43960
		拉Pull	235.50	32970
250	125	推Push	490.62	68687
		拉Pull	367.96	51514

订购码/Ordering code

HOB — B — D × S — CA

HOB 型号 Model	B 型式 Type	D 缸径 Bore size	S 行程 Stroke	CA 固定型式 Mounting type
HOB中高压 HOB medium and high pressure MOB中低压 MOB medium and low voltage ROB中低压 ROB medium and low voltage SOB中高压 SOB medium and high pressure	B：标准型 B: Standard type D：双出杆型 D: Double rod type L：行程可调型 L: stroke adjustable type			CA：单耳环式 CA: Single earring FA：前法兰式 FA: Front flange type FB：后法兰式 FB: Rear flange type LB：脚架式 LB: Tripod TC：中间摆动式 TC: Intermediate swing

订货举例/Order example

例如您需要购Φ100行程80双出杆型，前法兰式。中低压油缸请在订单时写明。MODΦ100×80-FA
For example, you need to purchase Φ100 stroke 80 double rod type, front flange type. For medium and low pressure cylinders, please specify when ordering. MODΦ100×80-FA

订货说明/Ordering Instructions

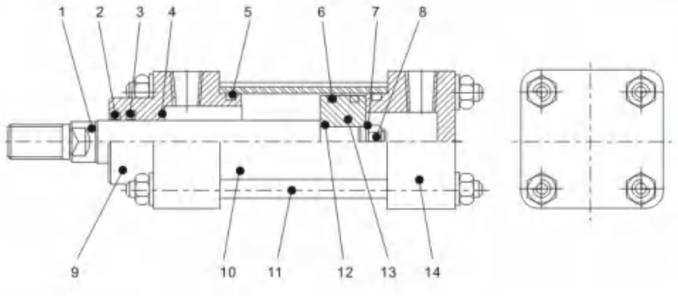
1、用户可根据自己的需要，在样本范围内任意订购
2、用户对活塞杆连接螺纹、安装尺寸等特殊要求敬请用户详细注明，协商订货
3、需加工特制油缸，请用户来图或来样品定做

1. Users can order any order within the sample range according to their own needs
2. Please specify the special requirements of the user for the connecting thread and installation size of the piston rod, and negotiate the order.
3. Special oil cylinders need to be processed, please make drawings or samples

主要技术参数/Main technical parameters

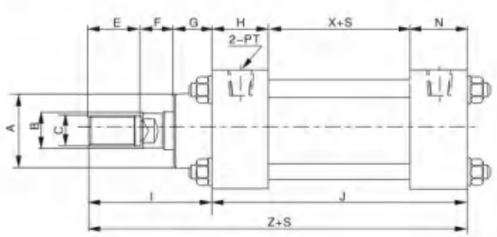
油压缸行径 Hydraulic cylinder diameter		32	40	50	63	80	100	125	160	200	250
最大行程(mm) Max.stroke (mm)		1200		2000			3000				
MOB油缸 MOB cylinder	额定压力 Preset pressure	70kg/cm²									
	耐压力 Proof pressure	110kg/cm²									
HOB油缸 HOB cylinder	额定压力 Preset pressure	140kg/cm²									
	耐压力 Proof pressure	180kg/cm²									
最低启动压力 Min.starting pressure		3kg/cm²									
使用温度范围(℃) Operating temperature range (℃)		-10~80(周围温度及油温) -10~80(ambient temperature and oil temperature)									
使用介质 Working medium		液压油 Hydraulic oil									

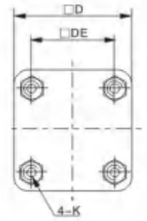
MO系列中低压油缸结构简图/Structure diagram of MO series medium and low pressure oil cylinder



序号Number	名称Name
1	活塞杆Piston Rod
2	轴用封环Shaft Seal Ring
3	轴用油封Shaft Oil Seal
4	无油润滑轴承Oil-free Lubricated Bearings
5	O型环O-ring
6	橡胶活塞圈Rubber Piston Ring
7	弹簧平垫Spring Flat Washer
8	螺帽Nut
9	前盖Front Cover
10	缸筒Cylinder
11	拉杆Tie Rod
12	O型圈O-ring
13	活塞Piston
14	后盖Back Cover

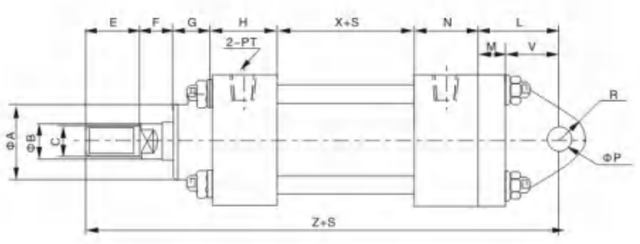
MO系列、B型标准油缸/MO series, B type standard oil cylinder

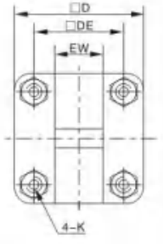




缸径 Bore size	ΦA	ΦB	C	□D	□DE	E	F	G	H	N	I	J	K	X	Z	PT
Φ32	35	16	M14×1.5	52	36	28	10	15	25	25	53	100	M8	50	153	ZG1/4
Φ40	40	20	M16×1.5	64	45	28	17	20	30	30	65	110	M8	50	175	ZG3/8
Φ50	45	20	M16×1.5	70	50	28	17	20	30	30	65	110	M10	50	175	ZG3/8
Φ63	55	25	M22×1.5	85	60	40	20	30	31	31	90	112	M10	50	202	ZG3/8
Φ80	62	32	M26×1.5	106	74	40	20	32	37	37	92	129	M12	55	221	ZG1/2
Φ100	78	40	M30×1.5	122	89	45	20	32	37	37	97	129	M14	55	226	ZG1/2
Φ125	85	50	M40×2	147	110	55	25	35	44	44	115	168	M16	80	283	ZG1/2
Φ160	100	60	M52×2	188	145	65	30	35	55	55	130	190	M20	80	320	ZG3/4

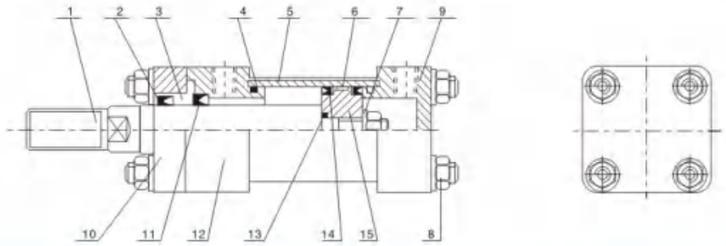
MOB-CA型油缸/MOB-CA type oil cylinder





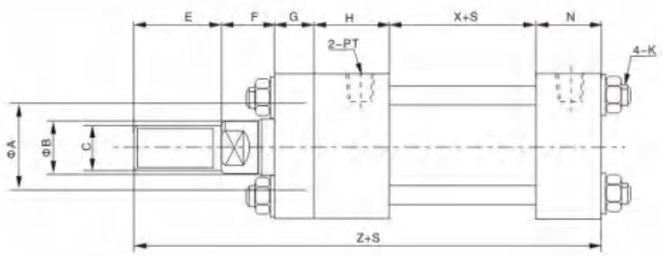
缸径 Bore size	ΦA	ΦB	C	□D	□DE	E	F	G	H	N	L	M	V	P	R	EW	K	X	Z	PT
Φ32	35	16	M14×1.5	52	36	28	10	15	25	25	31	11	20	10	10	16	M8	50	184	ZG1/4
Φ40	40	20	M16×1.5	64	45	28	17	20	30	30	36	11	25	12	12	22	M8	50	211	ZG3/8
Φ50	45	20	M16×1.5	70	50	28	17	20	30	30	36	12	24	12	12	22	M10	50	211	ZG3/8
Φ63	55	25	M22×1.5	85	60	40	20	30	31	31	46	15	31	20	20	30	M10	50	248	ZG3/8
Φ80	62	32	M26×1.5	106	74	40	20	32	37	37	68	18	50	30	30	30	M12	55	289	ZG1/2
Φ100	78	40	M30×1.5	122	89	45	20	32	37	37	73	18	55	35	35	35	M14	80	324	ZG1/2
Φ125	85	50	M40×2	147	110	55	25	35	44	44	73	18	55	5	35	35	M16	80	352	ZG1/2
Φ160	100	60	M52×2	188	145	65	30	35	55	55	82	22	60	40	40	40	M20	80	402	ZG3/4

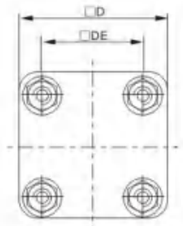
HO系列、B型标准油缸/HO series, B type standard oil cylinder



序号Number	零件名称Part Name	序号Number	零件名称Part name
1	活塞杆Piston rod	9	后盖Back cover
2	轴用密封圈Shaft seal	10	压板Platen
3	铜套Copper sets	11	轴用密封圈Shaft seal
4	O型环O-ring	12	前盖Front cover
5	缸筒Cylinder	13	O型圈O-ring
6	耐磨环Wear ring	14	活塞密封圈Piston seal
7	弹簧平垫Spring flat washer	15	活塞Piston
8	螺帽Nut		

HO系列、B型标准油缸/HO series, B type standard oil cylinder





缸径 Bore size	ΦA	ΦB	C	□D	□DE	E	F	G	H	N	K	X	Z	PT
Φ40	40	25	M22×1.5	65	45	40	20	17	33	28	M10	50	188	ZG3/8
Φ50	50	30	M26×1.5	80	56	40	20	17	38	30	M12	55	200	ZG3/8
Φ63	50	35	M30×1.5	95	65	45	20	17	38	30	M14	55	205	ZG3/8
Φ80	60	40	M30×1.5	100	80	45	20	20	38	35	M16	74	232	ZG1/2
Φ100	80	50	M40×2	131	95	55	25	20	41	37	M18	84	262	ZG1/2
Φ125	90	60	M50×2	162	122	70	35	28	57	48	M22	84	321	ZG3/4
Φ160	110	80	M70×2	210	153	80	35	30	60	50	M27	90	345	ZG3/4
Φ200	135	100	M90×2	262	193	120	40	40	65	60	M33	120	445	1"
Φ250	146	125	M110×2	330	246	140	50	45	80	70	M39	140	525	1"

聚氨酯管/Polyurethane Tube

PU





产品编码名称/Products code Designation

例如 For example: PU-12090-BK-100M

PU	–	12090	–	BK	–	100M
型号代码 Model code		气管直径(外径/内径) Tube dia(O.D./I.D.)		管颜色 Tube color		管长度 Tube length

应用/Applications

- 气动系统，气动工具 Pneumatic system,air tools
- 真空 Vacuum
- 自动化 Automation
- 电厂仪表 Plant Instrumentation
- 涂料供给线 Paint supply Lines
- 建筑应用 Constructionapplications
- 运动控制设备 Motion control devices

规格/Specification

成分 Composition	基于酯型聚氨酯 Ester-Based Polyurethane
硬度 Durometer	80-98 支撑Shore A
工作温度范围 Service temperature range	0~60℃
流体 Fluid admitted	压缩空气 Compressed air

颜色/Color

颜色 Color	黑色 Black	深蓝色 Dark blue	蓝色 Blue	天蓝色 Sky blue	透明蓝 Clear blue	透明 Clear	绿色 Green	红色 Red	橙色 Orange	黄色 Yellow	灰色 Grey	乳白色 Milk white
代码 Code	BK	DB	BU	SB	CB	CR	GN	RD	OR	YW	GY	MW
供应 Supplid	□	◆	□	□	◆	□	◆	◆	◆	◆	◆	◆

详细说明/Detailed instructions

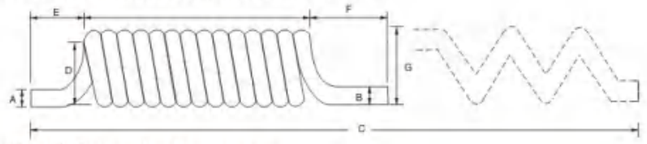
产品编号 Prod NO.	外径mm O.D.	内径mm I.D.	厚度mm Thickness	长度Length 米M/卷Roll	净重(g/m) Net weight	最小弯曲半径mm(20℃) Min.bend radius(20℃)	最小爆破压力(20℃) Min.burst pressure bar at 20℃	最大工作压力(20℃) Max.working pressure bar at 20℃
PU-04025	4	2.5	0.75	200	10	10	40	15
PU-06040	6	4	1.00	100	20	15	40	15
PU-08050	8	5	1.50	100	39	25	40	15
PU-10065	10	6.5	1.75	100	58	30	40	15
PU-12080	12	8	2.00	100	80	37	40	15
PU-08060	8	6	1.00	100	28	30	25	10
PU-10075	10	7.5	1.25	100	44	35	25	10
PU-12090	12	9	1.50	100	63	40	25	10
PU-16120	16	12	2.00	100	112	65	25	10



规格/Specification

成分 Composition	基于酯型聚氨酯 Ester-Based Polyurethane
硬度 Durometer	95-98 支撑Shore A
工作温度范围 Service temperature range	0~60℃
流体 Fluid admitted	压缩空气 Compressed air

产品编码名称/Products code Designation



A*	B*
管外径 Tube O.D.	管内径 Tube I.D.

C*	D*	E*F*
管长度 Tube length	盘绕内径 Coil I.D.	顶部长度 Top length

详细说明/Detailed instructions

产品编号 Prod NO.	外径(A*) O.D.	内径(B*) I.D.	总长度(C*) Total Length	盘内径(D*) Coil.D.	最小爆破压力(20℃) Min.burst pressure bar at 20℃	最大工作压力(20℃) Max.working pressure bar at 20℃
CL-04025	4	2.5	1m-10m	26,32,42	25	10
CL-06040	6	4	1m-15m	26,32,42	25	10
CL-08050	8	5	1m-20m	32,42,48	25	10
CL-10065	10	6.5	3m-20m	42,48,60	25	10
CL-12080	12	8	3m-20m	48,60,75	25	10
CL-14095	14	9.5	3m-15m	60,75	25	10
CL-16110	16	11	3m-15m	60,75	25	10